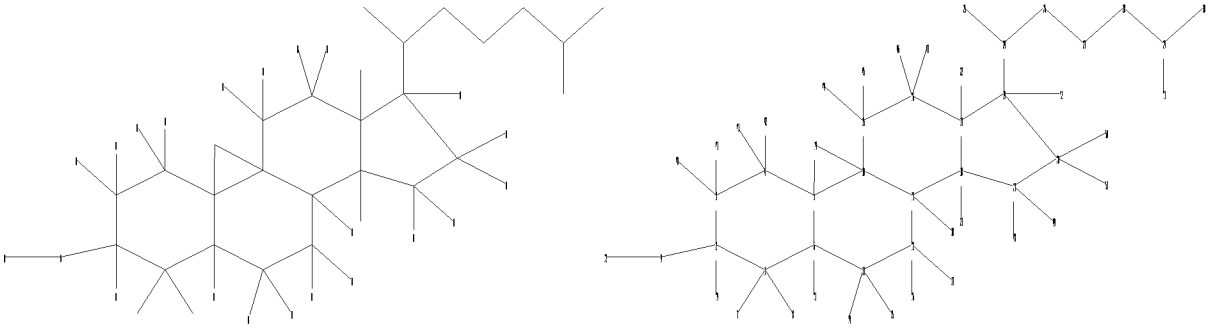
=> file reg

=>
Uploading C:\Program Files\Stnexp\Queries\10572404\rce.str



chain nodes :
7 8 9 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39
40 41 42 43 44 45 46 47 48 49 50 51 52
ring nodes :
1 2 3 4 5 6 10 11 12 13 14 15 16 17 18 19 20 21
chain bonds :
1-7 1-8 2-9 2-39 3-40 3-41 4-42 4-43 6-33 9-32 11-38 12-36 12-37 13-34
13-35 15-44 15-45 16-46 16-47 17-22 18-23 19-24 19-52 20-50 20-51 21-48
21-49 24-25
24-26 26-27 27-28 28-29 29-30 29-31
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-10 5-14 6-13 10-11 10-14 10-15 11-12 11-18
12-13 15-16 16-17 17-18 17-19 18-21 19-20 20-21
exact/norm bonds :
1-2 1-6 2-3 2-9 3-4 4-5 5-6 5-10 5-14 6-13 10-11 10-14 10-15 11-12
11-18 12-13 15-16 16-17 17-18 17-19 18-21 19-20 20-21
exact bonds :
1-7 1-8 2-39 3-40 3-41 4-42 4-43 6-33 9-32 11-38 12-36 12-37 13-34
13-35
15-44 15-45 16-46 16-47 17-22 18-23 19-24 19-52 20-50 20-51 21-48 21-49
24-25 24-26
26-27 27-28 28-29 29-30 29-31

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 31:CLASS
32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS
40:CLASS 41:CLASS

42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS
50:CLASS 51:CLASS
52:CLASS

L3   STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3   STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l3
SAMPLE SEARCH INITIATED 08:03:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   64 TO ITERATE

100.0% PROCESSED   64 ITERATIONS   5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 800 TO   1760
PROJECTED ANSWERS: 5 TO   234

L4   5 SEA SSS SAM L3

=> s l4 full
FULL SEARCH INITIATED 08:03:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   1064 TO ITERATE

100.0% PROCESSED   1064 ITERATIONS   90 ANSWERS
SEARCH TIME: 00.00.01

L5   90 SEA SSS FUL L3

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                       ENTRY   SESSION
FULL ESTIMATED COST   187.80   188.02

FILE 'CAPLUS' ENTERED AT 08:03:43 ON 05 FEB 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 5 Feb 2009 VOL 150 ISS 6
FILE LAST UPDATED: 4 Feb 2009 (20090204/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

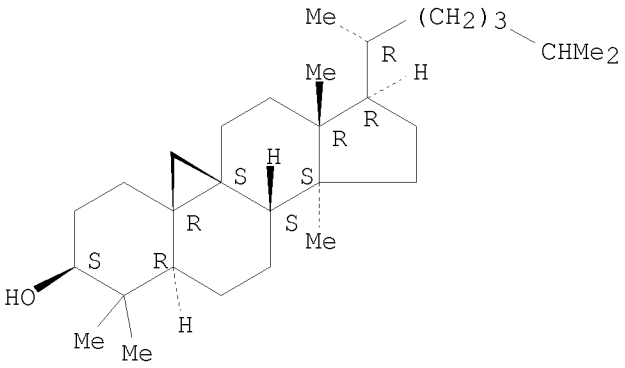
=> s l5
L6 840 L5

=> l6 and thu/rl
1091250 THU/RL
L7 40 L6 AND THU/RL

=> d l7 1-40 ibib abs hitstr

L7 ANSWER 1 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:1329953 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 150:70829
TITLE: New diterpenoids and the bioactivity of Erythrophleum fordii
AUTHOR(S): Tsao, Chuan-Chung; Shen, Yuh-Chiang; Su, Chung-Ren; Li, Chia-Ying; Liou, Meei-Jen; Dung, Nguyen-Xuan; Wu, Tian-Shung
CORPORATE SOURCE: Department of Chemistry, National Cheng Kung University, Tainan, 701, Taiwan
SOURCE: Bioorganic & Medicinal Chemistry (2008), 16(22), 9867-9870
CODEN: BMECEP; ISSN: 0968-0896
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A phytochem. investigation of the leaves of Erythrophleum fordii Oliv. has led to the isolation of three new cassaine-type diterpenoids, erythrofordin A (1), erythrofordin B (2) and erythrofordin C (3), as well as a norcassaine diterpenoid with a novel skeleton, norerythrofordin A (4), and 27 known compds. (5-31). The structures of 1-4 were elucidated on the basis of spectroscopic anal. Selected compds. from this plant were examined for anti-inflammatory activity. Taraxerol (16) displayed potent NO-reducing activity in microglial cells, and gallic acid (27) exhibited excellent DPPH radical-scavenging effects.
IT 4657-58-3, Cycloartanol
RL: DMA (Drug mechanism of action); NPO (Natural product occurrence); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(new diterpenoids from Erythrophleum fordii)
RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

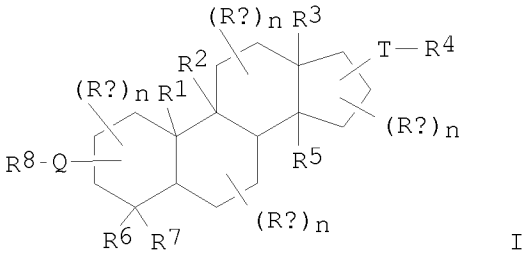
L7 ANSWER 2 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:1300157 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 149:513980
TITLE: Preparation of steroids as modulators of amyloid-beta production
INVENTOR(S): Findeis, Mark; Creaser, Steffen P.
PATENT ASSIGNEE(S): Satori Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 87pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008130449	A2	20081030	WO 2007-US85229	20071120

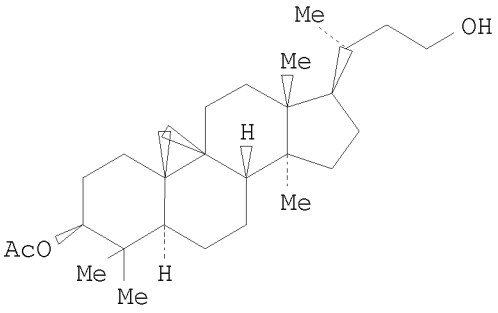
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2006-860130P P 20061120
OTHER SOURCE(S): MARPAT 149:513980
GI



I



II

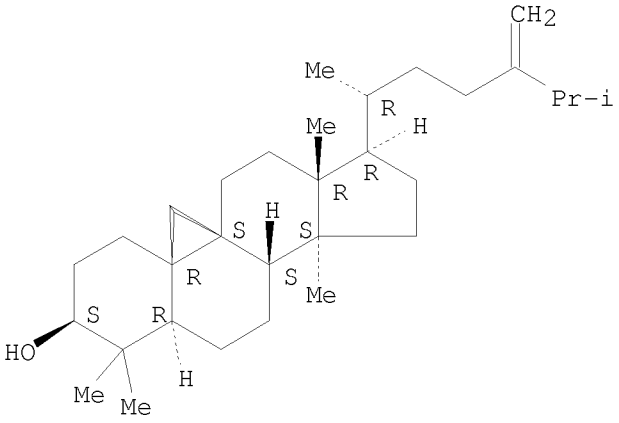
AB Compds. of formula I [R1-R3, R5-R7 = H, alkyl, halo, alkoxy, alkylthio, etc.; R1R2, R6R7 = alkylene, etc.; R3R5 = O; T, Q = bond, alkylene, etc.; R4 = CN, alkyl, alkoxy, etc.; each n = 0-2; Ra-Rd = halo, CN, alkyl, alkoxy, alkylthio, etc.; R8 = protected OH, etc.] are prepared which are useful for treating or lessening the severity of a neurodegenerative disorder, e.g. Alzheimer's disease. Thus, II was prepared from cycloartenol ferulate. Some of the prepared compds. were found to selectively lower amyloid-beta (1-42) peptide at 10 μM.

IT 1449-09-8P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of steroids as modulators of amyloid-β production)

RN 1449-09-8 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

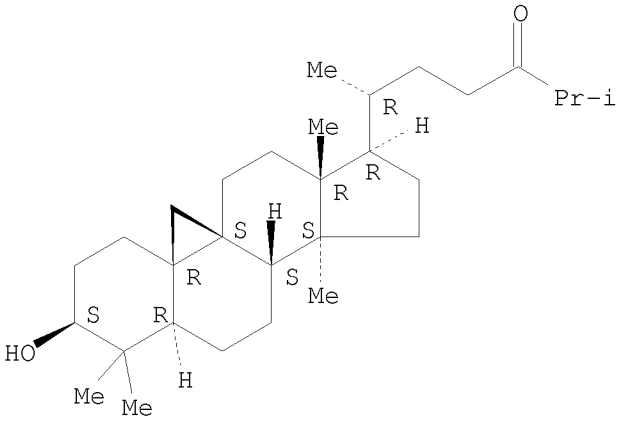
Absolute stereochemistry.



IT 89786-70-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of steroids as modulators of amyloid-β production)
RN 89786-70-9 CAPLUS
CN 9,19-Cyclolanostan-24-one, 3-hydroxy-, (3β)- (CA INDEX NAME)

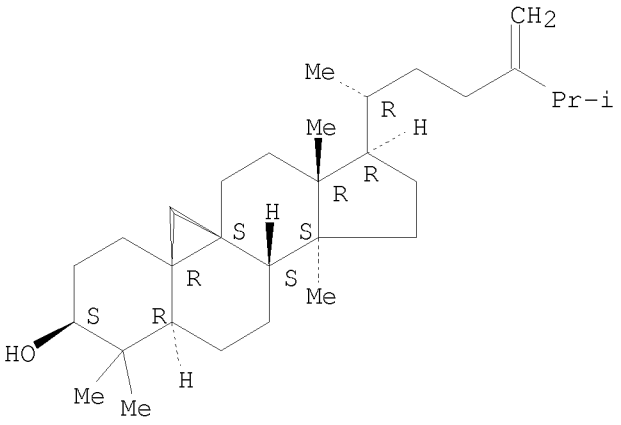
Absolute stereochemistry. Rotation (+).



L7 ANSWER 3 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:733915 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 149:191784
TITLE: Steroids isolated from Millettia versicolor Baker (Fabaceae)
AUTHOR(S): Ongoka, P. R.; Banzouzi, J. T.; Poupat, C.; Ekouya, A.; Ouamba, J. M.; Moudachirou, M.
CORPORATE SOURCE: Departement des Sciences Exactes, Ecole Normale Superieure, Universite Marien Ngouabi, Brazzaville, Congo
SOURCE: African Journal of Biotechnology (2008), 7(11), 1727-1730
CODEN: AJBFAH; ISSN: 1684-5315
URL: http://www.academicjournals.org/AJB/PDF/pdf2008/3 Jun/Ongoka%20et%20al.pdf
PUBLISHER: Academic Journals
DOCUMENT TYPE: Journal; (online computer file)
LANGUAGE: English
AB The objective of this investigation was to isolate and determine the chemical constituents of the leaves of Millettia versicolor Baker, a medicinal plant used in the traditional pharmacopoeias of Central Africa, essentially for its pain-relieving and anti-parasitic properties. A methanol extract of the leaves was made. The chemical compds. isolated were analyzed by HPLC/MS and GC/MS. The structures were elucidated on the basis of spectral studies (IR, RMN 1H, 13C) and confirmed by comparison with published data. Seven known compds. (two sterols, one stanol and four triterpene alcs.) were determined, the major compound being stigmasterol. Except lupeol, previously isolated from M. versicolor aerial parts, these compds. are isolated from this plant for the first time. Their presence supports the pain-relieving use of the plants, since 5 of the 7 compds. have reported anti-inflammatory activity, and 2 of these 5 had also an anti-nociceptive action.

IT 1449-09-8, 24-Methylenecycloartan-3β-ol
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(methanol extract of leaves of Millettia versicolor showed presence of phytosterol stigmasterol, 24-methylenecycloartan-3β-ol and 22,23-dihydrostigmasterol, showed pain-relieving, antiinflammatory and antinociceptive activities)
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.

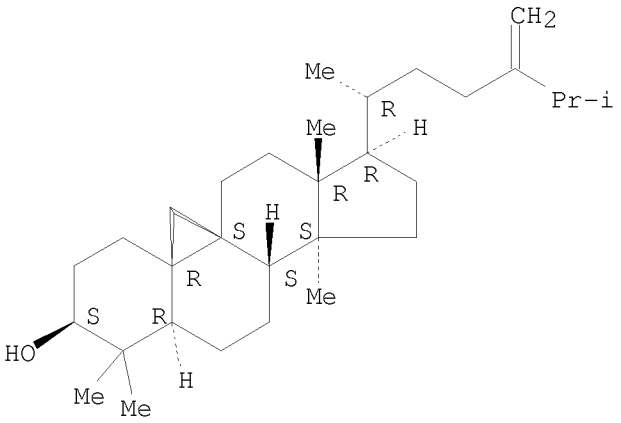


REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:541282 CAPLUS <<LOGINID::20090205>>
TITLE: Anti-infective and cytotoxic compounds present in Blepharodon nitidum
AUTHOR(S): Aponte, Jose C.; Estevez, Yannick; Gilman, Robert H.; Lewis, Walter H.; Rojas, Rosario; Sauvain, Michel; Vaisberg, Abraham J.; Hammond, Gerald B.
CORPORATE SOURCE: Dep. Chemistry, Univ. Louisville, Louisville, KY, USA
SOURCE: Planta Medica (2008), 74(4), 407-410
CODEN: PLMEAA; ISSN: 0032-0943
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A pharmacol. screening of the EtOH extract and fractions of Blepharodon nitidum led to the isolation of 14 compds., 2 of which, 24-hydroperoxycycloart-25-en-3β-ol and 25-hydroperoxycycloart-23-en-3β-ol, exhibited in vitro anti-Mycobacterium tuberculosis and antileishmanial activities, as well as significant cytotoxic activity against a panel of human tumor cell lines.
IT INDEXING IN PROGRESS
IT 1449-09-8P, 24-Methylenecycloartanol
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(compds. from Blepharodon nitidum, mol. structure, antiinfective, and

cytotoxic effect)
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

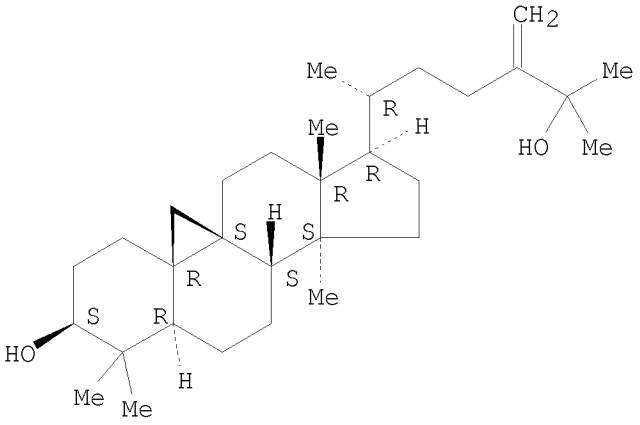
Absolute stereochemistry.



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:109650 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 148:326822
TITLE: Ingenane diterpenoids from Euphorbia esula
AUTHOR(S): Lu, Zhi-Qiang; Yang, Min; Zhang, Jin-Qiang; Chen, Guang-Tong; Huang, Hui-Lian; Guan, Shu-Hong; Ma, Chao; Liu, Xuan; Guo, De-An
CORPORATE SOURCE: Shanghai Research Center for Modernization of Traditional Chinese Medicine, Shanghai Institute of Materia Medica, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Zhangjiang, Shanghai, 201203, Peop. Rep. China
SOURCE: Phytochemistry (Elsevier) (2008), 69(3), 812-819
CODEN: PYTCAS; ISSN: 0031-9422
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB An extensive study of metabolites present in Euphorbia esula led to isolation of 16 ingenane diterpenoids 1-16 together with the known ingenane derivative 17 and four known cycloartane triterpenoids. Their structures were elucidated on the basis of spectroscopic studies and comparison with known related compds. All the compds. were assayed for their inhibitory activity against human HeLa cervical cancer cell line.
IT 404853-66-3P
RL: BSU (Biological study, unclassified); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation)
(ingenane diterpenoids from Euphorbia esula)
RN 404853-66-3 CAPLUS
CN 9,19-Cyclolanostane-3,25-diol, 24-methylene-, (3β)- (CA INDEX NAME)

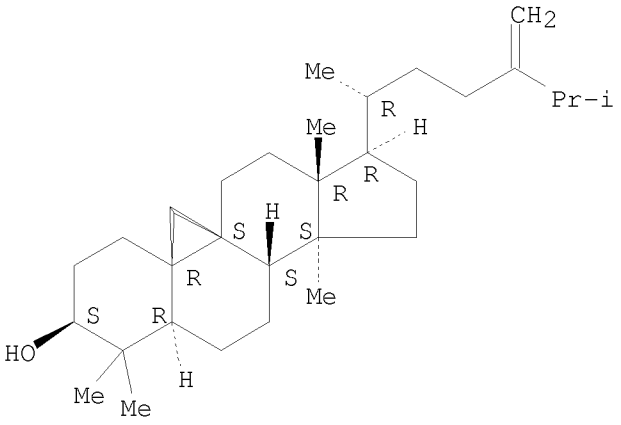
Absolute stereochemistry.



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:1055123 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 147:474912
TITLE: Chemical constituents from herb of alternanthera philoxeroides
AUTHOR(S): Fang, Jinbo; Duan, Hongquan; Zhang, Yanwen; Takaishi, Yoshihisa
CORPORATE SOURCE: School of Pharmacy, Tianjin University, Tianjin, 300072, Peop. Rep. China
SOURCE: Zhongguo Zhongyao Zazhi (2006), 31(13), 1072-1075
CODEN: ZZZAE3; ISSN: 1001-5302
PUBLISHER: Zhongguo Zhongyao Zazhishe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
AB The active constituents from Alternanthera philoxeroides were investigated. The constituents were isolated with silica gel and Toyopearl HW-40C gel column chromatog. and purified by HPLC. Their structures were elucidated by spectroscopy. Nine compds. were isolated and identified as phaeophytin a(1), pheophytin a'(2), oleanoic acid(3), β-sitosterol(4), 3β-hydroxystigmast- 5-en-7-one(5), α-spinasterol(6), 24-methylenecycloartanol(7), cycloeucalenol(8), phytol(9). Compds. 1, 2, 5, 7-9 were isolated from this plant for the first time.
IT 1449-09-8, 24-Methylenecycloartanol
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(chemical constituents separation and determination in alternanthera philoxeroides)
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:585503 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 147:2038
TITLE: Aloe vera extract, process for production of aloe vera extract, and ameliorating agent for hyperglycemia
INVENTOR(S): Tanaka, Miyuki; Yamada, Muneo
PATENT ASSIGNEE(S): Morinaga Milk Industry Co., Ltd., Japan
SOURCE: PCT Int. Appl., 35pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2007060911	A1	20070531	WO 2006-JP323095		20061120
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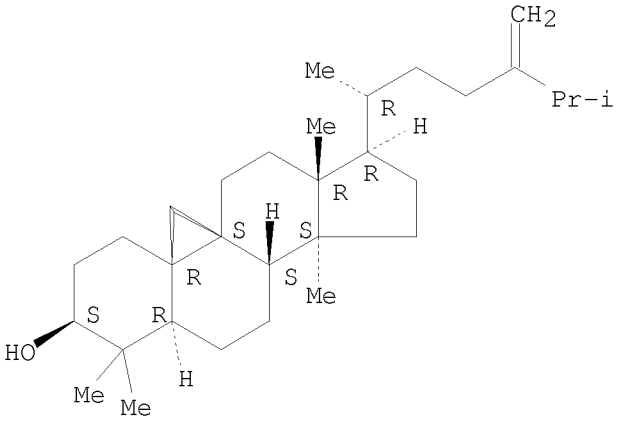
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
AU 2006317258	A1	20070531	AU 2006-317258		20061120
AU 2006317258	B2	20081218			
CA 2602066	A1	20070531	CA 2006-2602066		20061120
JP 4095115	B2	20080604	JP 2007-546430		20061120
EP 1952817	A1	20080806	EP 2006-823482		20061120
R: DE, ES, FR, GB, IT					
US 20090004307	A1	20090101	US 2007-815428		20070802
KR 2007096010	A	20071001	KR 2007-718270		20070809
IN 2007CN03548	A	20071116	IN 2007-CN3548		20070814
CN 101128211	A	20080220	CN 2006-80006127		20070824
PRIORITY APPLN. INFO.:			JP 2005-340245	A	20051125
			WO 2006-JP323095	W	20061120

AB Disclosed is an aloe vera extract which is safe to ingest, can be used as a food material for use in the prevention of a life-style related disease, has extremely less contamination of an anthraquinone compound and can be added to a food. Also disclosed is a process for production of the aloe vera extract An aloe vera extract can be produced by using a supercrit. extraction method, which contains 1.0 % by mass or more of a mixture of a cyclolanostane compound and a lophenol compound and has the following property (1) and/or (2): (1) mixing ratio between the cyclolanostane compound and the lophenol compound is as follows: (cyclolanostane compound:lophenol compound) = 6.3:2.7 to 5.1:4.9 by mass; and (2) the content of the anthraquinone is 0.001% by mass or less.

IT 1449-09-8 4657-58-3
RL: FFD (Food or feed use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(sterols from Aloe vera exts. as ameliorating agents for hyperglycemia)

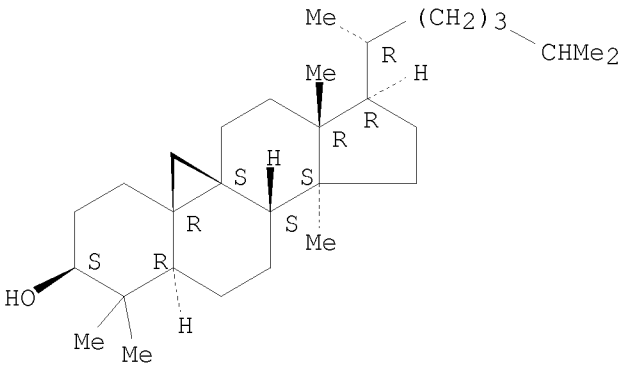
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

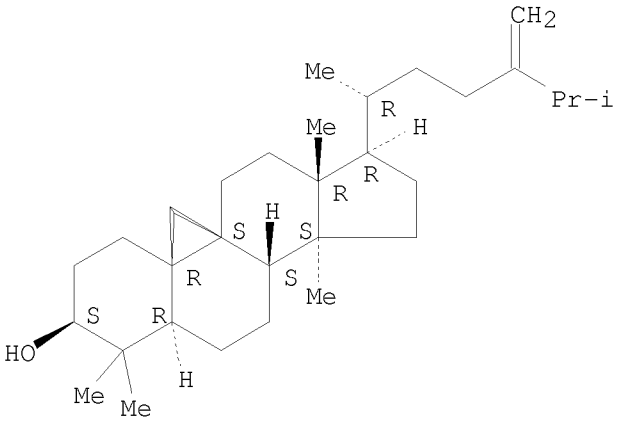
L7 ANSWER 8 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:528722 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 147:157683
TITLE: Cancer Chemopreventive Effects of Cycloartane-Type and Related Triterpenoids in in Vitro and in Vivo Models
AUTHOR(S): Kikuchi, Takashi; Akihisa, Toshihiro; Tokuda, Harukuni; Ukiya, Motohiko; Watanabe, Kenji; Nishino, Hoyoku
CORPORATE SOURCE: College of Science and Technology, Nihon University, Tokyo, 101-8308, Japan
SOURCE: Journal of Natural Products (2007), 70(6), 918-922
CODEN: JNPRDF; ISSN: 0163-3864
PUBLISHER: American Chemical Society-American Society of Pharmacognosy
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Forty-eight natural and semisynthetic cycloartane-type and related triterpenoids have been evaluated for their inhibitory effects on Epstein-Barr virus early antigen (EBV-EA) activation induced by the tumor promoter 12-O-tetradecanoylphorbol-13-acetate (TPA) in Raji cells as a primary screening test for antitumor promoters. In addition, these triterpenoids have been tested for their inhibitory effects on activation of (±)-(E)-methyl-2-[(E)-hydroxyimino]-5-nitro-6-methoxy-3-hexemide (NOR 1), a nitric oxide (NO) donor, as a primary screening test for antitumor initiators. All of the compds. tested exhibited inhibitory effects on both EBV-EA and NOR 1 activation. Six of these compds. having a C-24 hydroxylated side chain, viz., (24R)-cycloart-25-ene-3β,24-diol (9), (24R)-cycloartane-3β,24,25-triol (11), (24S)-cycloartane-3β,24,25-triol (12), (24ξ)-24-methylcycloartane-3β,24,241-triol (14), (24ξ)-241-methoxy-24-methylcycloartane-3β,24-diol (15), and (24ξ)-24,25-dihydroxycycloartan-3-one (27), showed higher inhibitory effects than the others tested on both EBV-EA (IC50 values of 6.1-7.4 nM) and NOR 1 activation. Furthermore, compds. 14 and 15 exhibited inhibitory effects on skin tumor promotion in an in vivo two-stage mouse skin carcinogenesis test using 7,12-dimethylbenz[a]anthracene (DMBA) as an initiator and TPA as a promoter.

IT 1449-09-8, 24-Methylenecycloartanol 4657-58-3, Cycloartanol 57576-29-1 57586-98-8 89786-70-9 246545-81-3 357419-12-6 883311-98-6 883311-99-7
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cancer chemopreventive effects of cycloartane-type and related triterpenoids)

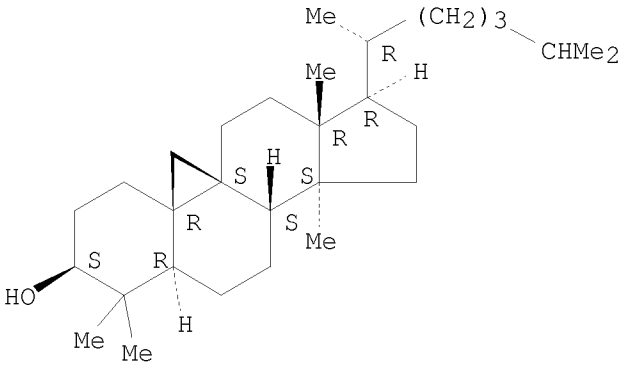
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



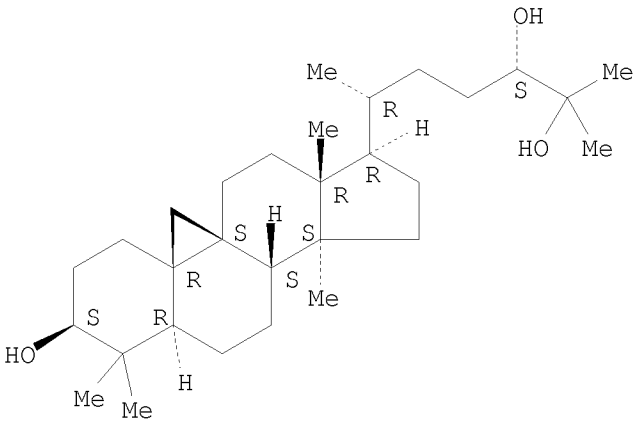
RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



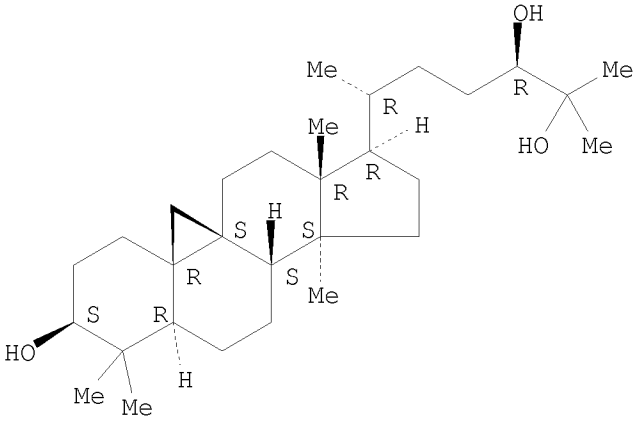
RN 57576-29-1 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



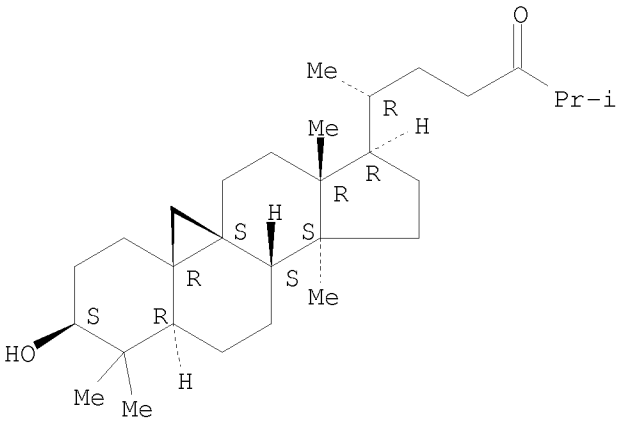
RN 57586-98-8 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



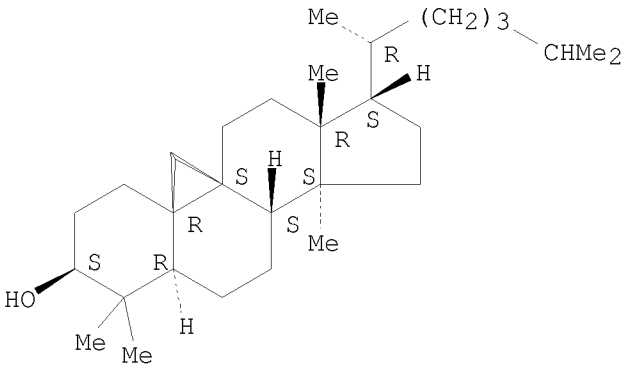
RN 89786-70-9 CAPLUS
CN 9,19-Cyclolanostan-24-one, 3-hydroxy-, (3β)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



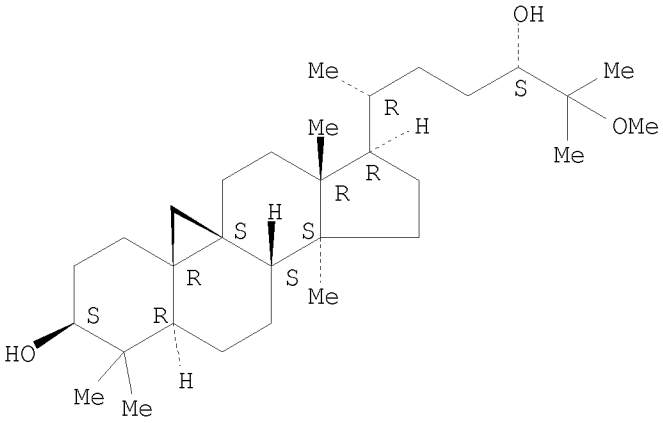
RN 246545-81-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β,17α)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



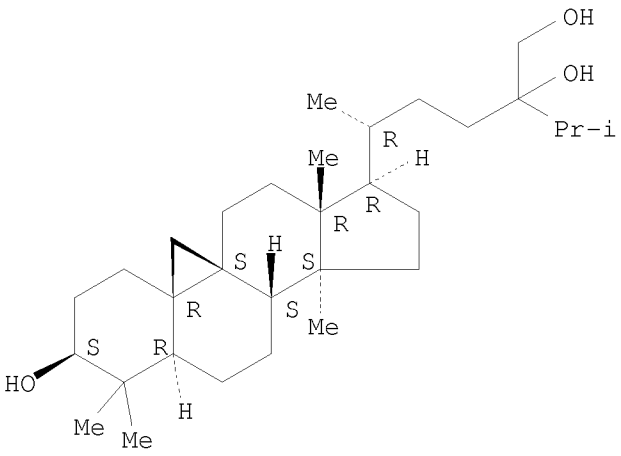
RN 357419-12-6 CAPLUS
CN 9,19-Cyclolanostane-3,24-diol, 25-methoxy-, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



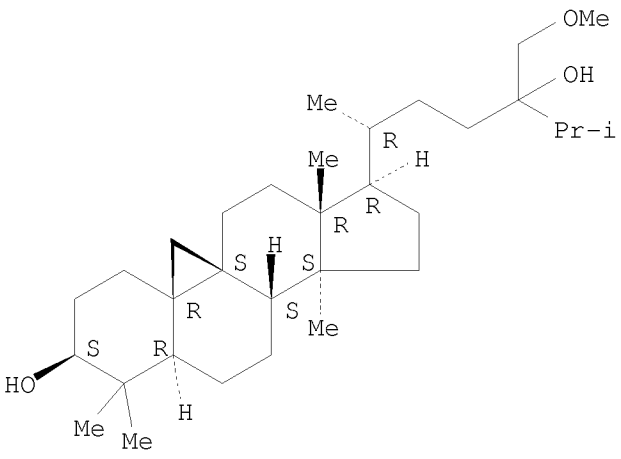
RN 883311-98-6 CAPLUS
CN 9,19-Cyclolanostane-3,24-diol, 24-(hydroxymethyl)-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 883311-99-7 CAPLUS
CN 9,19-Cyclolanostane-3,24-diol, 24-(methoxymethyl)-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:435166 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 146:428578
TITLE: Agent for amelioration of insulin resistance
INVENTOR(S): Tanaka, Miyuki; Misawa, Eriko
PATENT ASSIGNEE(S): Morinaga Milk Industry Co., Ltd., Japan
SOURCE: PCT Int. Appl., 48pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007043305	A1	20070419	WO 2006-JP318813	20060922
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2006300640	A1	20070419	AU 2006-300640	20060922
CA 2623639	A1	20070419	CA 2006-2623639	20060922
EP 1930014	A1	20080611	EP 2006-810426	20060922

R: DE, ES, FR, GB, IT

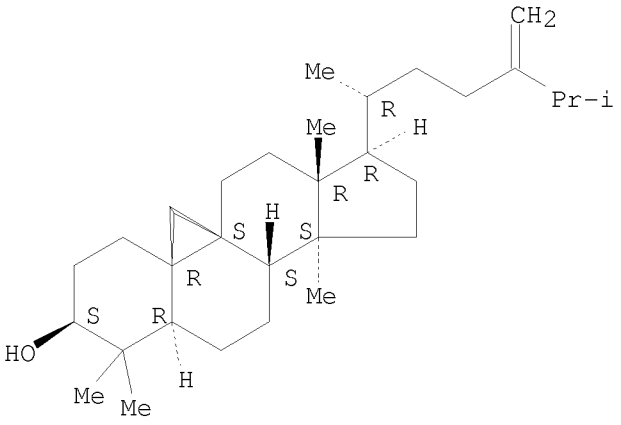
JP 4176140	B2	20081105	JP 2007-539848		20060922
IN 2008CN00621	A	20081128	IN 2008-CN621		20080206
KR 2008031399	A	20080408	KR 2008-703390		20080212
CN 101277705	A	20081001	CN 2006-80036515		20080331
PRIORITY APPLN. INFO.:			JP 2005-287885	A	20050930
			WO 2006-JP318813	W	20060922

AB Disclosed is a pharmaceutical or beverage/food which can inhibit the production of an adipocytokine, particularly an adipocytokine that can induce the resistance to insulin, to thereby prevent or ameliorate the occurrence of a morbid condition relating to insulin resistance. The pharmaceutical or beverage/food comprises, as an active ingredient, a compound having a cyclolanostane skeleton, or an extract of a plant belonging to the family Liliaceae or Poaceae with an organic solvent or hot water or a fractionated product of the extract which contains the compound

IT 1449-09-8P 4657-58-3P 10388-46-2P
RL: PAC (Pharmacological activity); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(agent for amelioration of insulin resistance)

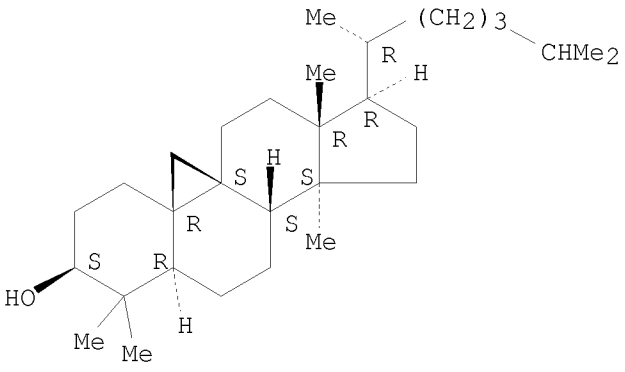
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



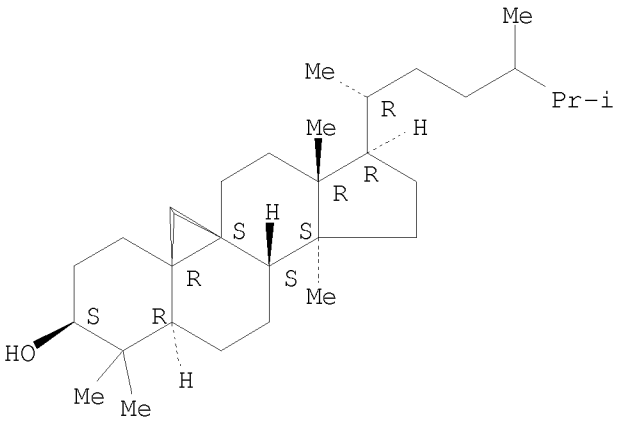
RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 10388-46-2 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methyl-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

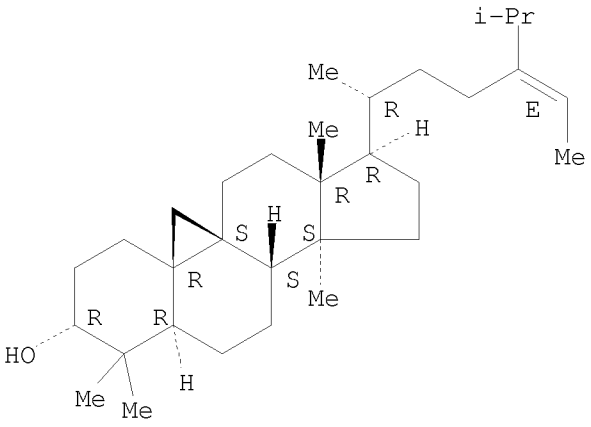
L7 ANSWER 10 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:248198 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 146:474996
TITLE: Evaluation of Polygonum bistorta for anticancer potential using selected cancer cell lines
AUTHOR(S): Manoharan, Karuppiah Pillai; Yang, Daiwen; Hsu, Annie; Huat, Benny Tan Kwong
CORPORATE SOURCE: Department of Chemistry, Faculty of Science, National University of Singapore, Singapore, 117543, Singapore
SOURCE: Medicinal Chemistry (2007), 3(2), 121-126
CODEN: MCEHAJ; ISSN: 1573-4064
PUBLISHER: Bentham Science Publishers Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The chloroform and hexane fractions and their sub-fractions of Polygonum bistorta (Polygonaceae) were evaluated for their cytotoxic activity against P338 (Murine lymphocytic leukemia), HepG2 (Hepatocellular carcinoma), J82 (Bladder transitional carcinoma), HL60 (Human leukemia), MCF7 (Human breast cancer), and LL2 (Lewis lung carcinoma) cancer cell lines in culture. Both the chloroform and hexane fractions and a few of their sub-fractions showed moderate to very good activity against P388, HL60, and LL2 cancer cell lines. Both active and non-active fractions were further investigated for their chemical constituents. A total of 9 compds., viz. 24(E)-ethylidenecycloartanone (1), 24(E)-ethylidenecycloartan-3α-ol (2), cycloartane-3,24-dione (3), 24-methylenecycloartanone (4), friedelin (5), 3β-friedelinol (6), β-sitosterol (7), γ-sitosterol (8), and β-sitosterone (9) were isolated. One of the pure compds., 24(E)-ethylidenecycloartanone 1, which was obtained in sufficient quantity, was tested for its cytotoxicity against P388, LL2, HL60, and WEHI164 (Murine fibrosarcoma) cancer cell lines but was found to have no activity even at a concentration of 100 μg/mL.
IT 869594-34-3P
RL: PAC (Pharmacological activity); PUR (Purification or recovery);

THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(24(E)-Ethylidenecycloartan-3α-ol; evaluation of Polygonum for anticancer potential)

RN 869594-34-3 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-ethylidene-, (3α,24E)- (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:17955 CAPLUS <<LOGINID::20090205>>

DOCUMENT NUMBER: 146:258400

TITLE: Preparative isolation and purification of chemical constituents from the root of Adenophora tetraphylla by high-speed counter-current chromatography with evaporative light scattering detection

AUTHOR(S): Yao, Shun; Liu, Renming; Huang, Xuefeng; Kong, Lingyi

CORPORATE SOURCE: Department of Natural Medicinal Chemistry, China Pharmaceutical University, Nanjing, 210009, Peop. Rep. China

SOURCE: Journal of Chromatography, A (2007), 1139(2), 254-262
CODEN: JCRAEY; ISSN: 0021-9673

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

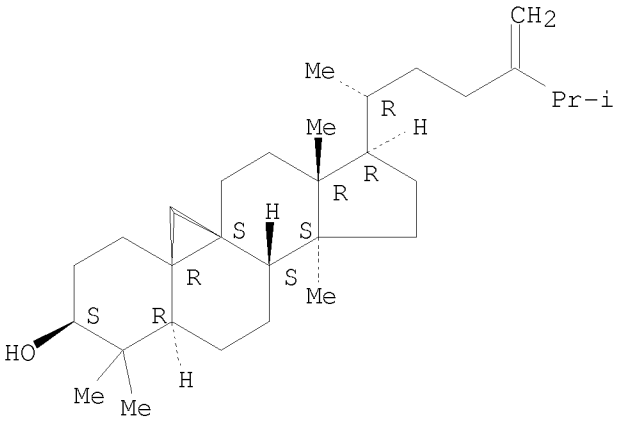
AB Preparative high-speed counter-current chromatog. (HSCCC), as a continuous liquid-liquid partition chromatog. with no solid support matrix, combined with evaporative light scattering detection (ELSD) was employed for systematic separation and purification of non-chromophoric chemical components from Chinese medicinal herb Adenophora tetraphylla (Thunb.), Fisch. Nine compds., including α-spinasterol, β-sitosterol, nonacosan-10-ol, 24-methylene cycloartanol, lupenone, 3-O-palmitoyl-β-sitosterol, 3-O-β-D-glucose-β-sitosterol, eicosanoic acid and an unknown compound, were obtained. The compds. were all above 95% determined by high-performance liquid chromatog. (HPLC)-ELSD, and their structures were identified by 1H NMR and chemical ionization mass spectroscopy (CI-MS). The results demonstrate that HSCCC coupled with ELSD is a feasible and

efficient technique for systematic isolation of non-chromophoric components from traditional medicinal herbs.

IT 1449-09-8, 24-Methylene cycloartanol
RL: NPO (Natural product occurrence); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(preparative isolation and purification of chemical constituents from the root of Adenophora tetraphylla by high-speed counter-current chromatog. with evaporative light scattering detection)

RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:1226059 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 145:488277
TITLE: Drugs, food or drink for improving pancreatic functions
INVENTOR(S): Tanaka, Miyuki; Misawa, Eriko; Habara, Noriko; Yamada, Muneo
PATENT ASSIGNEE(S): Morinaga Milk Industry Co., Ltd., Japan
SOURCE: PCT Int. Appl., 40pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006123466	A1	20061123	WO 2006-JP303711	20060228

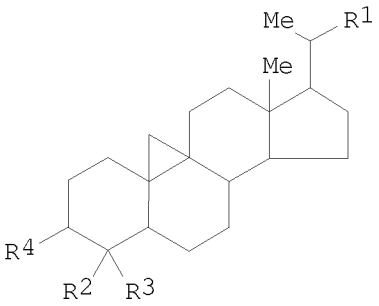
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

CA 2584975	A1	20061123	CA 2006-2584975		20060228
CN 101098702	A	20080102	CN 2006-80001679		20060228
EP 1882472	A1	20080130	EP 2006-714848		20060228
R: DE, FR, GB, IT, TR					
JP 4065018	B2	20080319	JP 2007-516212		20060228
KR 2007083736	A	20070824	KR 2007-708981		20070420
KR 866274	B1	20081103			
PRIORITY APPLN. INFO.:			JP 2005-144384	A	20050517
			WO 2006-JP303711	W	20060228

OTHER SOURCE(S): MARPAT 145:488277

GI



I

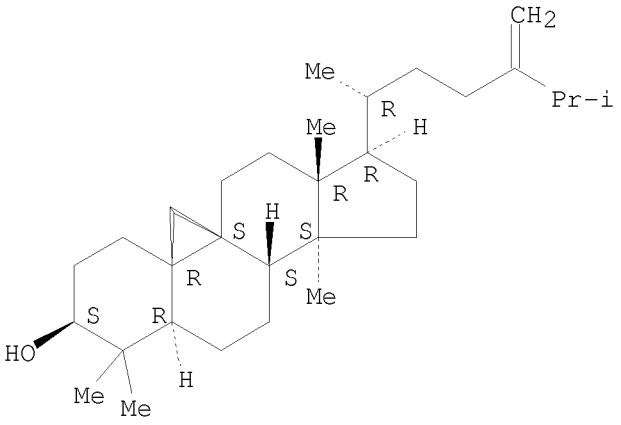
AB Use of compds. (I: R1 = C6-8 alkyl group, etc.; R2,R3 = H, etc.; R4 = HO-, etc.) of Aloe of Liliaceae having cyclolanostane skeletons, for example, 9,19-cyclolanostan-3-ol and 24-methylene-9,19-cyclolanostan-3-ol in drugs, food or drink for improving pancreatic functions, especially pancreatic endocrine cell functions as the active ingredient.

IT 1449-09-8 4657-58-3
RL: FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(drugs, food or drink containing active ingredients of Aloe for improving pancreatic functions)

RN 1449-09-8 CAPLUS

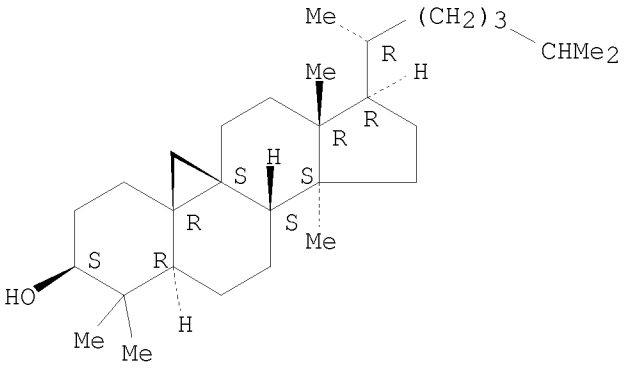
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:1005877 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 145:363592
TITLE: Lipid absorption inhibitors containing triterpenealcohols, and production thereof
INVENTOR(S): Aitani, Norio; Shimoda, Hiroshi; Okada, Tadashi; Murai, Hiromichi
PATENT ASSIGNEE(S): Oriza Yuka K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006257064	A	20060928	JP 2005-117497	20050316
PRIORITY APPLN. INFO.:			JP 2005-117497	20050316

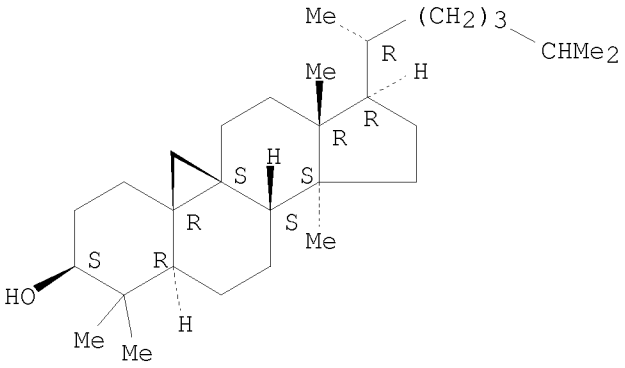
AB The invention relates to a composition for prevention of lipid absorption, suitable fo ruse in a food, pharmaceutical, and cosmetic composition, wherein the composition is characterized by containing triterpene alcs., e.g. 24-methylenecycloartenol, cycloartenol, cycloaltanol, stigmasterol, β-sitosterol, and campesterol. A method for production of the lipid absorption inhibitors by extraction of plant material is also disclosed.

IT 4657-58-3P, Cycloartanol
RL: COS (Cosmetic use); FFD (Food or feed use); NPO (Natural product occurrence); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(lipid absorption inhibitors containing triterpenealcs., and production thereof)

RN 4657-58-3 CAPLUS

CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:896945 CAPLUS <<LOGINID::20090205>>

DOCUMENT NUMBER: 145:284750

TITLE: Identification of five phytosterols from Aloe vera gel as anti-diabetic compounds

AUTHOR(S): Tanaka, Miyuki; Misawa, Eriko; Ito, Yousuke; Habara, Noriko; Nomaguchi, Kouji; Yamada, Muneo; Toida, Tomohiro; Hayasawa, Hirotoshi; Takase, Mitunori; Inagaki, Masanori; Higuchi, Ryuuichi

CORPORATE SOURCE: Biochemical Research Laboratory, Morinaga Milk Industry Co., Ltd., 5-1-83 Higashihara, Zama, Kanagawa, 228-8583, Japan

SOURCE: Biological & Pharmaceutical Bulletin (2006), 29(7), 1418-1422
CODEN: BPBLEO; ISSN: 0918-6158

PUBLISHER: Pharmaceutical Society of Japan

DOCUMENT TYPE: Journal

LANGUAGE: English

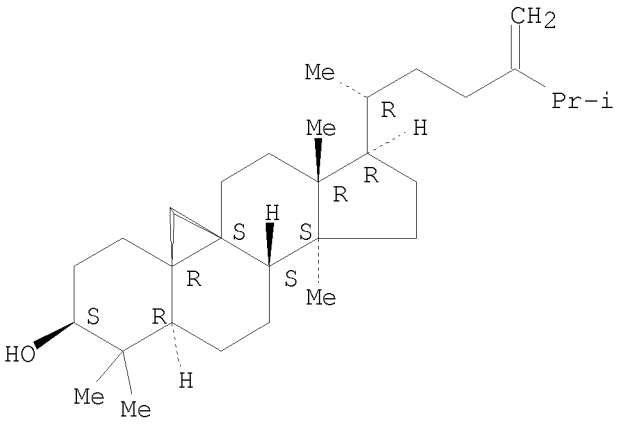
AB The genus Aloe in the family Liliaceae is a group of plants including Aloe vera (Aloe barbadensis MILLER) and Aloe arborescens (Aloe arborescens MILLER var. natalensis BERGER) that are empirically known to have various medical efficacies. In the present study, we evaluated the anti-hyperglycemic effect of Aloe vera gel and isolated a number of compds. from the gel. On the basis of spectroscopic data, these compds. were identified as lophenol, 24-methyl-lophenol, 24-ethyl-lophenol,

cycloartanol, and 24-methylene-cycloartanol. These five phytosterols were evaluated for their anti-hyperglycemic effects in type 2 diabetic BKS.Cg-m+/+Leprdb/J (db/db) mice. In comparison with the HbA1c levels of vehicle-treated mice, statistically significant decreases of 15 to 18% in HbA1c levels were observed in mice treated with 1 μg of the five phytosterols. Considering the ability to reduce blood glucose in vivo, there were no differences between the five phytosterols. Administration of β-sitosterol did not reduce the blood glucose levels in db/db mice. After administration of the five phytosterols for 28 d, fasting blood glucose levels decreased to approx. 64%, 28%, 47%, 51%, and 55% of control levels, resp. Severe diabetic mice treated with phytosterols derived from Aloe vera gel did not suffer weight reduction due to glucose loss in the urine. These findings suggest that Aloe vera gel and phytosterols derived from Aloe vera gel have a long-term blood glucose level control effect and would be useful for the treatment of type 2 diabetes mellitus.

IT 1449-09-8P, 24-Methylene-cycloartanol 4657-58-3P, Cycloartanol
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(identification of phytosterols from Aloe vera gel as antidiabetic compds.)

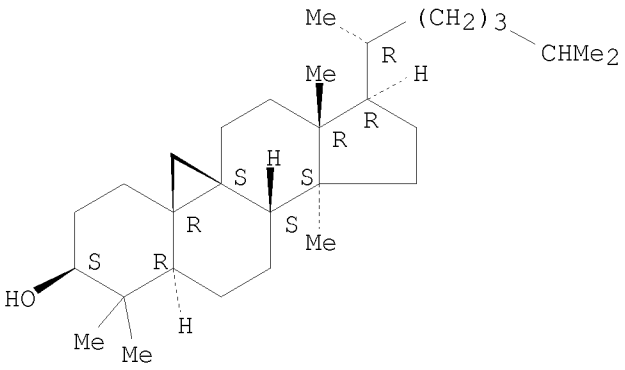
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

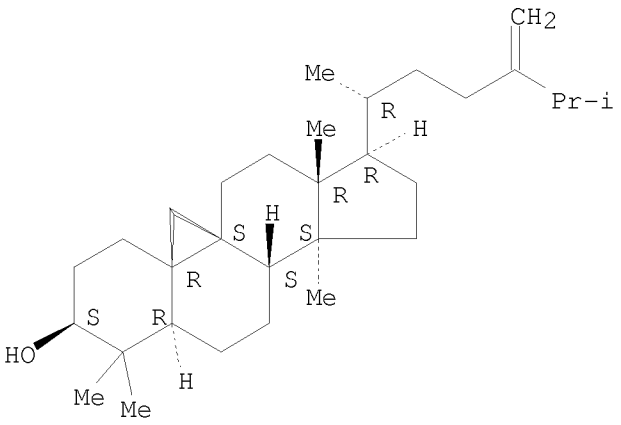
Absolute stereochemistry.



REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

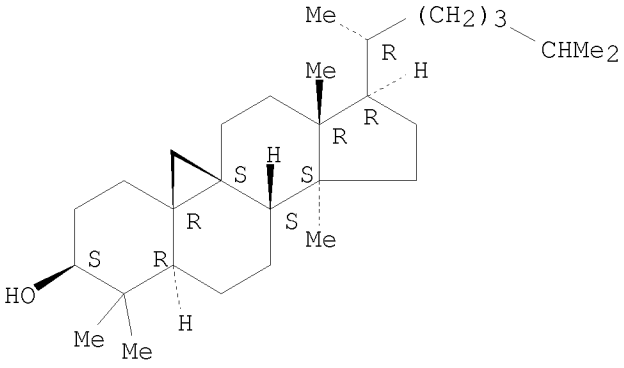
L7 ANSWER 15 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:866113 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 146:270142
TITLE: Secondary metabolites from Euphorbia helioscopia and their vasodepressor activity
AUTHOR(S): Barla, Asli; Birman, Husniye; Kultur, Sukran; Oksuz, Sevil
CORPORATE SOURCE: Faculty of Pharmacy, Department of Chemistry, Istanbul University, Istanbul, 34116, Turk.
SOURCE: Turkish Journal of Chemistry (2006), 30(3), 325-332
CODEN: TJCHE3; ISSN: 1300-0527
PUBLISHER: Scientific and Technological Research Council of Turkey
DOCUMENT TYPE: Journal
LANGUAGE: English
AB From the aerial parts of Euphorbia helioscopia L. (Euphorbiaceae), a jatrophane diterpene ester, 5,11-jatrophadiene-3-benzoyloxy-7,9,14-tri-acetyloxy-15-ol and 2 lupane derivs., lup-20(29)-ene-3-acetate and lup-20(29)-ene-3-palmitate, together with common triterpenoids of Euphorbiaceae, 24-methylene cycloartanol, 24-methylenecycloart-3-one, cycloartanol, and stigmast-4-ene-3-one were isolated. The last compds., lup-20(29)-ene-3-acetate, 24-methylene cycloartanol, 24-methylenecycloart-3-one, cycloartanol, and stigmast-4-ene-3-one, were isolated for the first time from E. helioscopia. The fractions and the isolates were tested for their vasodepressor effects using Wistar Albino rats, and 5,11-jatrophadiene-3-benzoyloxy-7,9,14-tri-acetyloxy-15-ol, lup-20(29)-ene-3-acetate, and stigmast-4-ene-3-one were found to possess relevant activity. The structures of all of the compds. were identified with high field spectroscopic methods. The detailed spectroscopic data of compound 1 is given in the present study.
IT 1449-09-8P, 24-Methylene cycloartanol 4657-58-3P, Cycloartanol
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(secondary metabolites from Euphorbia helioscopia and their vasodepressor activity)
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 16 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:489734 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 144:487339
TITLE: Carcinogenesis inhibitors containing cycloartane triterpenoids and their manufacture
INVENTOR(S): Akihisa, Toshihiro; Tokuda, Harukuni; Ukiya, Motohiko; Watanabe, Kenji; Yoneima, Risa
PATENT ASSIGNEE(S): Nihon University, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006131595	A	20060525	JP 2004-325370	20041109

PRIORITY APPLN. INFO.: JP 2004-325370 20041109

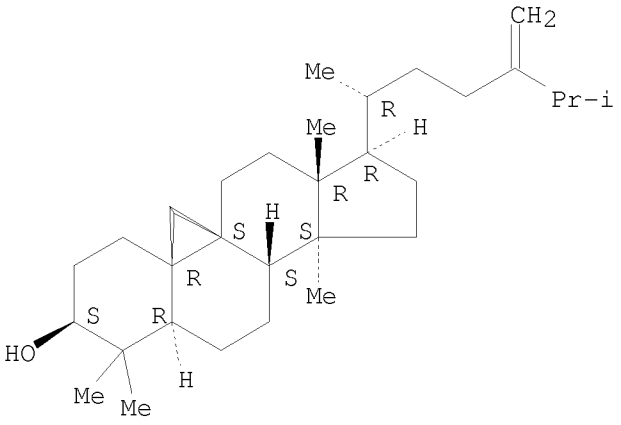
AB Title inhibitors contain cycloeucalenol (I), 24-methylcycloartan-3β,24,241-triol, 241-methoxy-24-methylcycloartan-3β,24-diol, cycloartan-3,24-dione, 4,4,14-trimethyl-9,19-cyclopregnan-3,20-dione, 24,25-dihydroxycycloartan-3-one, 25-hydroxycycloart-23-en-3-one, and/or 25-hydroxy-24-methoxycycloartan-3-one, and are manufactured by conversion of rice bran-derived compds. as substrates with fungi. The inhibitors may be added to foods, beverages, and feeds. Thus, Glomerella fusarioides was aerobically cultured in 24-methylenecycloartanol-containing medium to manufacture I, which completely inhibited TPA-induced expression of Epstein-Barr virus early antigen in Raji cells with their survival rate 70%.

IT 1449-09-8, 24-Methylenecycloartanol
RL: ADV (Adverse effect, including toxicity); BCP (Biochemical process); FFD (Food or feed use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(manufacture of cycloartane triterpenoids as carcinogenesis inhibitors with Glomerella fusarioides from rice bran constituents)

RN 1449-09-8 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.

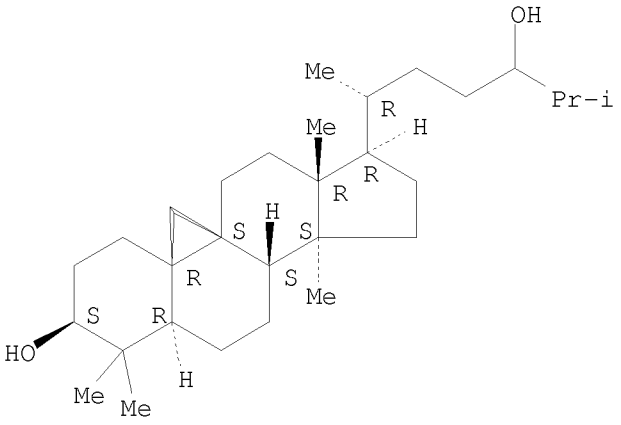


IT 47694-85-9P, Cycloart-25-en-3β,24-diol 110044-47-8P, Cycloartan-3β,24,25-triol 883311-98-6P, 24-Methylcycloartan-3β,24,241-triol 883311-99-7P, 241-Methoxy-24-methylcycloartan-3β,24-diol
RL: ADV (Adverse effect, including toxicity); BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); FFD (Food or feed use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(manufacture of cycloartane triterpenoids as carcinogenesis inhibitors with Glomerella fusarioides from rice bran constituents)

RN 47694-85-9 CAPLUS

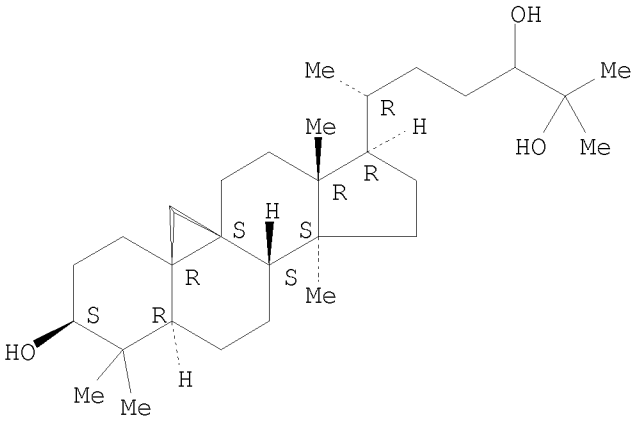
CN 9,19-Cyclolanostane-3,24-diol, (3β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



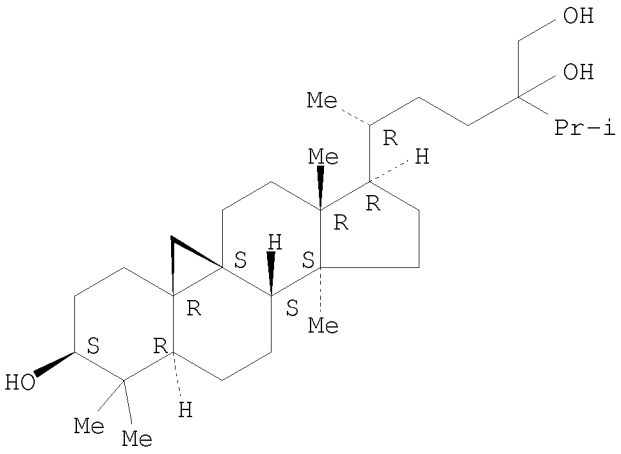
RN 110044-47-8 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



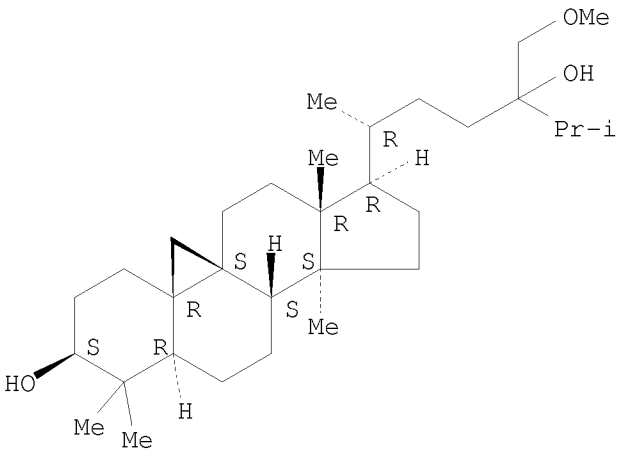
RN 883311-98-6 CAPLUS
CN 9,19-Cyclolanostane-3,24-diol, 24-(hydroxymethyl)-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 883311-99-7 CAPLUS
CN 9,19-Cyclolanostane-3,24-diol, 24-(methoxymethyl)-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:318934 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 144:343608
TITLE: Medicine and food/beverage for ameliorating hyperglycemia
INVENTOR(S): Higuchi, Ryuuichi; Inagaki, Masanori; Hayasawa, Hirotoshi; Yamada, Muneo; Tanaka, Miyuki; Misawa, Eriko; Wakimoto, Noriko; Itou, Yousuke
PATENT ASSIGNEE(S): Morinaga Milk Industry Co., Ltd., Japan
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006035525	A1	20060406	WO 2005-JP6021	20050330
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
CA 2542780	A1	20060406	CA 2005-2542780	20050330
CN 1859917	A	20061108	CN 2005-80001115	20050330
JP 3924310	B2	20070606	JP 2006-525559	20050330
EP 1795200	A1	20070613	EP 2005-727328	20050330
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
RU 2327463	C2	20080627	RU 2006-116567	20050330
US 20070196435	A1	20070823	US 2006-572404	20060316
KR 2006085626	A	20060727	KR 2006-706402	20060331
KR 843508	B1	20080704		
KR 2007086277	A	20070827	KR 2007-713581	20070615
PRIORITY APPLN. INFO.:			JP 2004-283549 A	20040929
			WO 2005-JP6021 W	20050330
			KR 2006-706402 A3	20060331

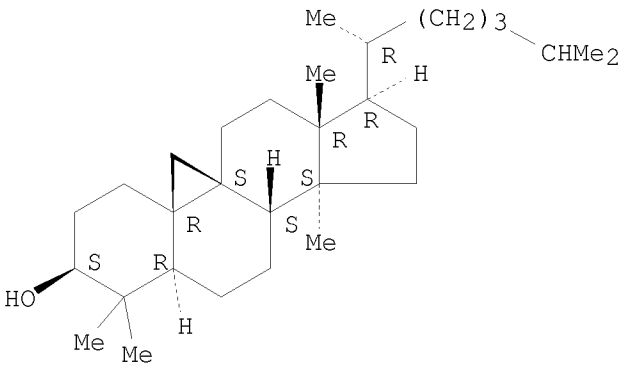
OTHER SOURCE(S): MARPAT 144:343608

AB A compound having a cyclolanostane framework, e.g., 9,19-cyclolanostan-3-ol or 24-methylene-9,19-cyclolanostan-3-ol, is used as an active ingredient for a medicine or a food/beverage for ameliorating hyperglycemia.

IT 4657-58-3P 10388-46-2P, 24-Methylcycloartanol
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclolanostanol derivs. from Aloe barbadensis as medicines and foods/beverages for ameliorating hyperglycemia)

RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

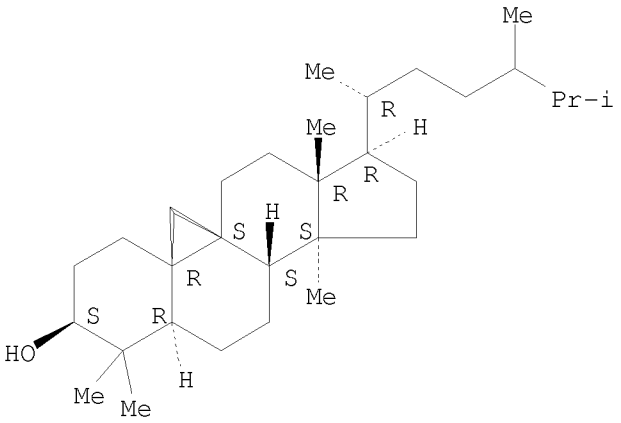
Absolute stereochemistry.



RN 10388-46-2 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-methyl-, (3β)- (CA INDEX NAME)

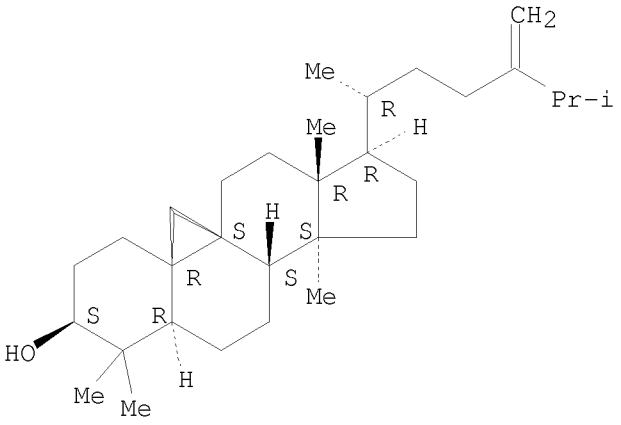
Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 18 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:458982 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 143:343025
TITLE: Terpenoids and steroids from the roots of Salvia blepharochlaena
AUTHOR(S): Kolak, Ufuk; Topcu, Guelacti; Birteksoez, Seher; Oetuek, Guelten; Ulubelen, Ayhan
CORPORATE SOURCE: Pharmacy Faculty, Department of General Chemistry, Istanbul University, Istanbul, 34116, Turk.
SOURCE: Turkish Journal of Chemistry (2005), 29(2), 177-186
CODEN: TJCHE3; ISSN: 1300-0527
PUBLISHER: Scientific and Technical Research Council of Turkey
DOCUMENT TYPE: Journal
LANGUAGE: English
AB From the roots of Salvia blepharochlaena Hedge and Hub. Mor. 4 triterpenoids, 4 steroids, 6 diterpenoids, and an aromatic ester were isolated. The structures of these compds. were established by spectroscopic methods. Formosanolide was isolated for the first time from the genus Salvia. The fifteen known compds. exhibited almost no antimicrobial activity against a variety of bacteria and Candida.
IT 1449-09-8P, 24-Methylenecycloartanol
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(terpenoids and steroids from roots of Salvia blepharochlaena)
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

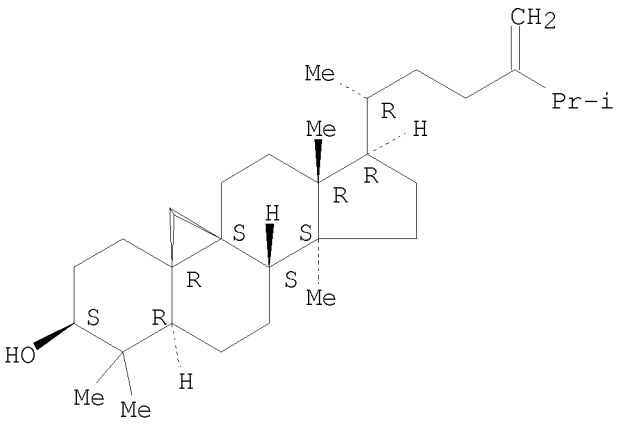
Absolute stereochemistry.



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

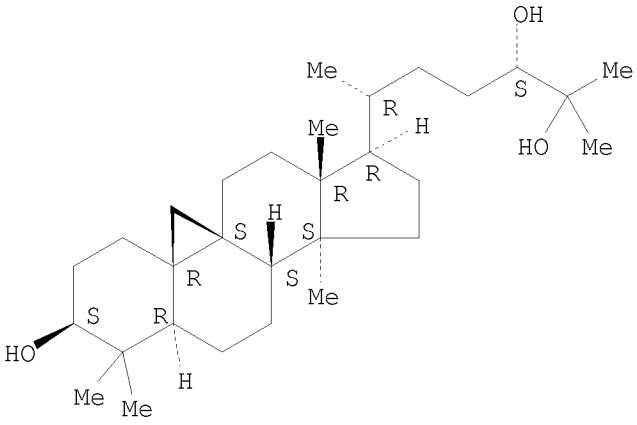
L7 ANSWER 19 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:343060 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 143:109012
TITLE: Antitubercular activity of triterpenoids from Asteraceae flowers
AUTHOR(S): Akihisa, Toshihiro; Franzblau, Scott G.; Ukiya, Motohiko; Okuda, Hiroki; Zhang, Fangqiu; Yasukawa, Ken; Suzuki, Takashi; Kimura, Yumiko
CORPORATE SOURCE: College of Science and Technology, Nihon University, Tokyo, 101-8308, Japan
SOURCE: Biological & Pharmaceutical Bulletin (2005), 28(1), 158-160
CODEN: BPBLEO; ISSN: 0918-6158
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Twenty-eight 3-hydroxy triterpenoids of taraxastane-, oleanane-, ursane- , lupane-, taraxane-, cycloartane-, tirucallane-, and dammarane-types isolated from the nonsaponifiable lipid fraction of the flower extract of chrysanthemum (Chrysanthemum morifolium) and one lupane-type 3α-hydroxy triterpenoid were tested for their antitubercular activity against Mycobacterium tuberculosis strain H37Rv using the Microplate Alamar Blue Assay (MABA). Fifteen compds. showed a min. inhibitory concentration (MIC) in the range of 4-64 μg/mL, among which maniladiol (MIC 4 μg/mL), 3-epilupeol (4 μg/mL), and 4,5α-epoxyhelianol (6 μg/mL) exhibited the highest activity. Cytotoxicity of 3-epilupeol against Vero cells gave an IC50 value of over 62.5 μg/mL, suggesting some degree of selectivity for M. tuberculosis.
IT 1449-09-8, 24-Methylenecycloartanol 57576-29-1, (24S)-Cycloartane-3β,24,25-triol 57586-98-8, (24R)-Cycloartane-3β,24,25-triol 357419-12-6, (24S)-25-Methoxycycloartane-3β,24-diol
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antitubercular activity of triterpenoids from Asteraceae flowers)
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



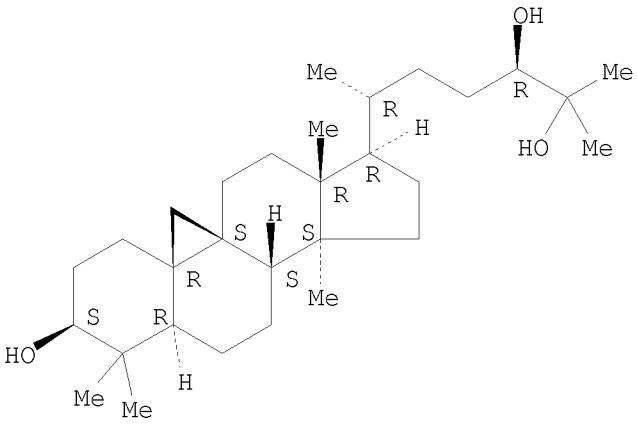
RN 57576-29-1 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



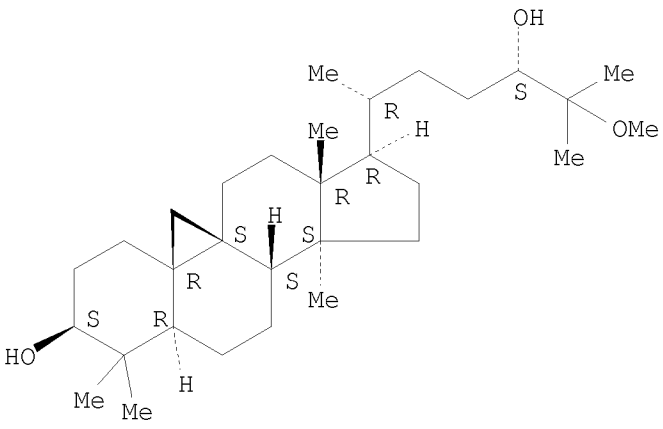
RN 57586-98-8 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 357419-12-6 CAPLUS
CN 9,19-Cyclolanostane-3,24-diol, 25-methoxy-, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 20 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:235124 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 142:322694
TITLE: Adiponectin secretion enhancers containing plant extracts and/or their microbial conversion products, and their use in antiarteriosclerotics, antiobesity agents, antidiabetics, food additives, functional foods, and feed additives
INVENTOR(S): Akihisa, Toshihiro; Kobayashi, Masaki; Higashio, Chie; Takahashi, Akira
PATENT ASSIGNEE(S): Enkaku Iryou-Laboratories Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005068132	A	20050317	JP 2004-143282	20040513
PRIORITY APPLN. INFO.:			JP 2003-287984 A	20030806

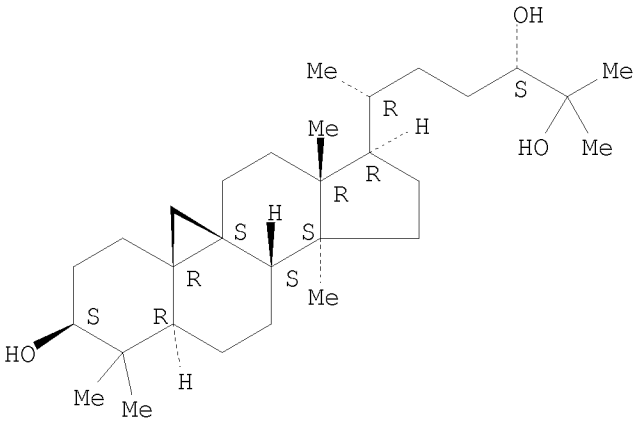
AB The adiponectin secretion enhancers contain exts. from rice bran, Momordica grosvenori fruit, shimeji, chrysanthemum, rye, Betula platyphylla japonica, and/or Alpinia speciosa and/or microbial conversion products of the exts. Ergosterol (at 100 and 150 μg/mL), a component of shimeji, increased the expression of genes for PPARγ and adiponectin in 3T3-L1 cells. Rats were orally administered with soybean oil containing 10 mM ergosterol at 1 mL/100 g. The concentration of ergosterol in the serum of rats reached the maximum (.apprx.1.8 μM) at 4-12 h after administration, and serum adiponectin concentration became higher and serum

triglyceride concentration became lower in the ergosterol-administered rats than those in controls.

IT 57576-29-1
RL: FFD (Food or feed use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(adiponectin secretion enhancers containing plant exts. and/or their microbial conversion products for antiarteriosclerotics, antiobesity agents, antidiabetics, food additives, functional foods, and feed additives)

RN 57576-29-1 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 21 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:512388 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 141:47285
TITLE: Antibacterial agents containing triterpene alcohols for controlling acid-fast bacteria
INVENTOR(S): Akihisa, Toshihiro; Ukiya, Motohiko; Okuda, Hirotaka
PATENT ASSIGNEE(S): Nihon University, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004175679	A	20040624	JP 2002-340493	20021125

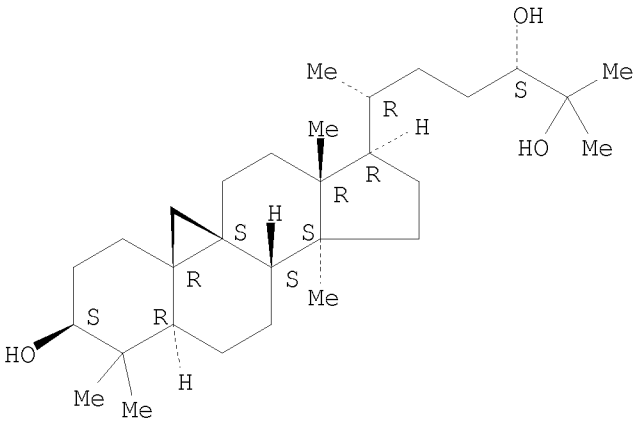
PRIORITY APPLN. INFO.: JP 2002-340493 20021125

AB Title agents contain 3-epilupeol (I), faradiol (II), and/or (24S)-24,25-dihydroxycycloartanol (III) as active ingredients. Thus, I, II, and III (preparation given) inhibited growth of Mycobacterium tuberculosis H37Rv by 98, 99, and 96%, resp. I also showed strong antituberculotic activity against drug resistant M tuberculosis.

IT 57576-29-1P, (24S)-24,25-Dihydroxycycloartanol
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

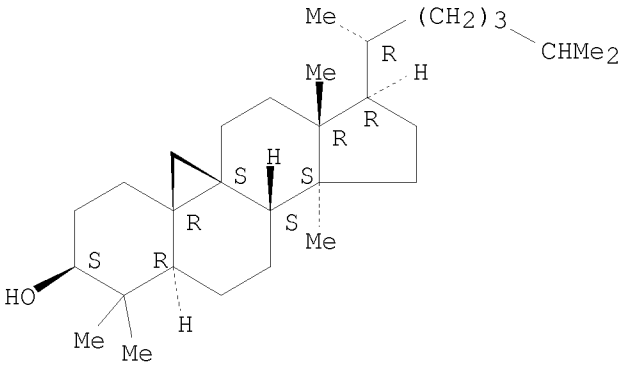
(Uses)
(preparation of triterpene alcs. as tuberculostatic agents)
RN 57576-29-1 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



IT 4657-58-3P, Cycloartanol
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of triterpene alcs. as tuberculostatic agents)
RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



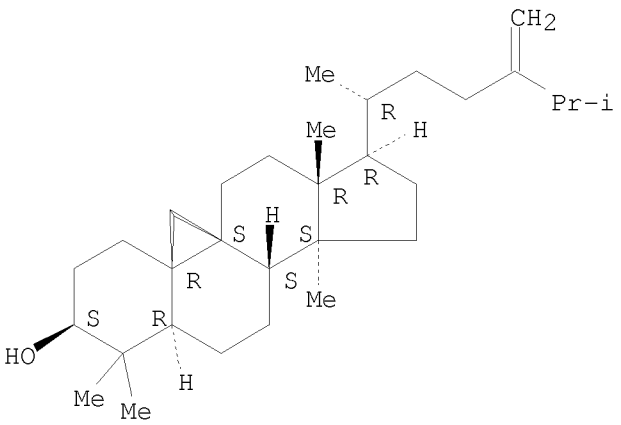
L7 ANSWER 22 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:483459 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 142:330
TITLE: Effect of cycloartanes on reversal of multidrug resistance and apoptosis induction on mouse lymphoma cells
AUTHOR(S): Madureira, Ana Margarida; Spengler, Gabriella; Molnar, AnnaMaria; Varga, Andreas; Molnar, Joseph; Abreu, Pedro M.; Ferreira, Maria-Jose U.
CORPORATE SOURCE: Centro de Estudos de Ciencias Farmaceuticas, Faculdade

de Farmacia, Universidade de Lisboa, Lisbon, 1600-083, Port.
SOURCE: Anticancer Research (2004), 24(2B), 859-864
CODEN: ANTRD4; ISSN: 0250-7005
PUBLISHER: International Institute of Anticancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The ability of fifteen cycloartanes, isolated from Euphorbia species, to reverse multidrug resistance (MDR) and apoptosis induction in L5178Y mouse lymphoma cells, including its multidrug-resistant subline, was studied by flow cytometry. Reversion of MDR was investigated using a standard functional assay with rhodamine 123 as a fluorescent substrate analog. For the evaluation of apoptosis, the cells were stained with FITC-labeled annexin V and propidium iodide. The majority of the compds. were able to reverse MDR of the tested human MDR1 gene-transfected mouse lymphoma cells. Some of the compds. were able to induce moderate apoptosis in the PAR cell line, but this effect was less effective on multidrug-resistant cells. The results indicate that cycloartanes can be substrates of ABC transporters, which might compete with certain anticancer chemotherapeutics.

IT 1449-09-8
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(24-methylene-9,19-cyclolanost-3β-ol had no effect on multi-drug resistance reversal in human multi-drug resistance-1 gene-transfected mouse lymphoma cell line L5178 Y MDR)

RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

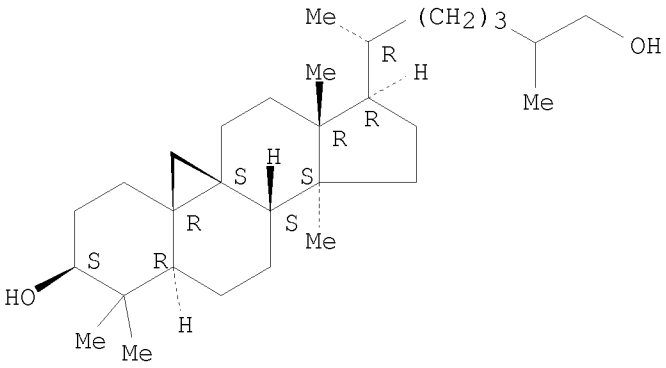
Absolute stereochemistry.



IT 4624-32-2
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(9,19-cyclolanostane-3β,26-diol enhanced drug retention by inhibiting efflux pump activity mediated by P-glycoprotein in human multi-drug resistance-1 gene-transfected mouse lymphoma cell line L5178 Y MDR)

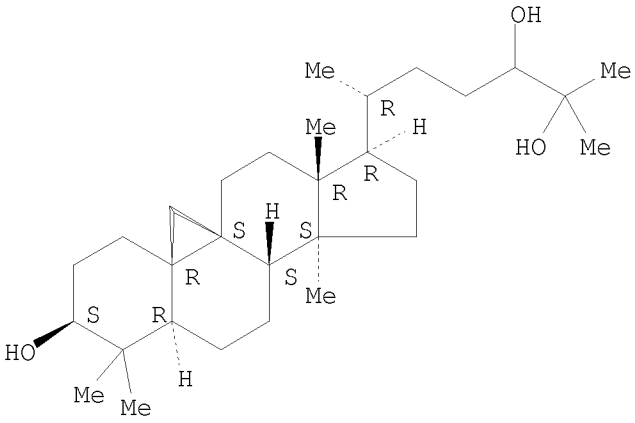
RN 4624-32-2 CAPLUS
CN 9,19-Cyclolanostane-3,26-diol, (3β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 110044-47-8
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(cycloartane 9,19-cyclolanostane-3β,24,25-triol enhanced drug retention by inhibiting efflux pump activity mediated by P-glycoprotein, highly reversed MDR in L5178 Y MDR mouse T-lymphoma cell line)
RN 110044-47-8 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:383077 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 141:199512
TITLE: Anti-HIV-1 cycloartanes from leaves and twigs of Gardenia thailandica
AUTHOR(S): Tuchinda, Patoomratana; Saiai, Aroonchai; Pohmakotr, Manat; Yoosook, Chalobon; Kasisit, Jittra; Napaswat, Chanita; Santisuk, Thawatchai; Reutrakul, Vichai

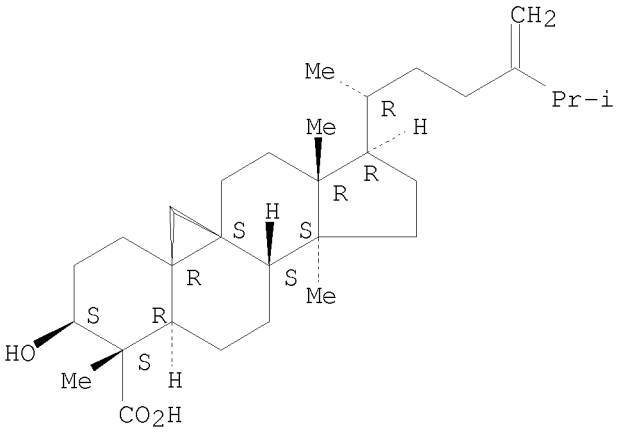
CORPORATE SOURCE: Department of Chemistry, Faculty of Science, Mahidol University, Bangkok, Thailand
SOURCE: Planta Medica (2004), 70(4), 366-370
CODEN: PLMEAA; ISSN: 0032-0943
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Thailandiol (1), gardenolic acid A (2), quadrangularic acid E (3) and 3β-hydroxy-5α-cycloart-24(31)-en-28-oic acid (4) have been isolated from the leaves and twigs of Gardenia thailandica Tirveng (order: Rubiales; family: Rubiaceae). In addition, 5-hydroxy-7,2',3',4',5',6'-hexamethoxyflavone (5), 5,7-dihydroxy-2',3',4',5',6'-pentamethoxyflavone (6), 5-hydroxy-7,2',3',4',5'-pentamethoxyflavone (7) and 5,7-dihydroxy-2',3',4',5'-tetramethoxyflavone (8) were also isolated from the same source. The structures were elucidated by spectroscopic methods. Crude exts. and compds. 1-4 displayed anti-HIV-1 activities as determined by using the ΔTat/RevMC99 virus and 1A2 cell line system. The EC50 values determined by the syncytium assay ranged from < 7.8 to 110 μg/mL. They also exhibited moderate to high activities in reverse transcriptase (RT) assay; the IC50 values of compds. 1-4, ranged from < 22.5 to 156.8 μg/mL.

IT 149252-87-9P
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(anti-HIV-1 cycloartanes from Gardenia thailandica)

RN 149252-87-9 CAPLUS
CN 9,19-Cyclolanostan-28-oic acid, 3-hydroxy-24-methylene-, (3β,4α)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 24 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:231671 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 140:420645
TITLE: Mycobacterium tuberculosis Growth Inhibition by Constituents of Sapium haematospermum
AUTHOR(S): Woldemichael, Girma M.; Gutierrez-Lugo, Maria-Teresa;

Franzblau, Scott G.; Wang, Yuehong; Suarez, Enrique; Timmermann, Barbara N.

CORPORATE SOURCE: Department of Pharmacology and Toxicology, Division of Medicinal and Natural Products Chemistry, College of Pharmacy, University of Arizona, Tucson, AZ, 85721-0207, USA

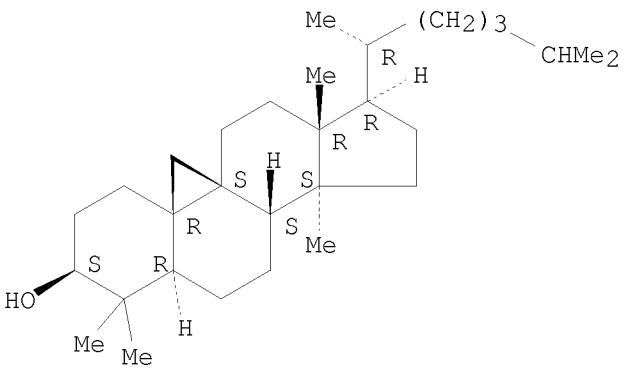
SOURCE: Journal of Natural Products (2004), 67(4), 598-603
CODEN: JNPRDF; ISSN: 0163-3864
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Four novel compds. consisting of two new pimaranes, lecheronol A (1) and lecheronol B (2), an acylated cycloartane, 3-O-β-lauroyl-cycloart-(23E)-en-25-ol (10), and a highly oxygenated novel chalconoid, α,β,3,4,5,2',4',6'-octahydroxydihydrochalcone (12), were isolated along with seven known triterpene derivs. and three flavonol glucosides from Mycobacterium tuberculosis growth-inhibiting fractions of the CH2Cl2/MeOH (1:1) extract of the aerial parts of Sapium haematospermum. Compds. 1 3 (3α-hydroxyolean-12-ene), 8 [3α-hydroxylup-20(29)-en], and 9 (cycloartanol) were found most active, with MIC values of 4, 12.2, 13.4, and 8 μg/mL, resp. Cytotoxicity tests in Vero cells for compds. 1, 3, 8, and 9 gave IC50 values of 104.8, 127.2, 127.2, and 102.4 μg/mL, resp.

IT 4657-58-3P, Cycloartanol
RL: PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(constituents of Sapium haematospermum inhibit Mycobacterium tuberculosis growth)

RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 25 OF 40 CAPLUS
ACCESSION NUMBER: 2003:771493 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 139:286321
TITLE: Cycloartan triterpenes from rice bran as carcinogenic preventive medicines
INVENTOR(S): Akihisa, Toshihiro; Tokuda, Harukuni; Ukiya, Motohiko; Nishino, Hoyoku; Kimura, Yumiko

PATENT ASSIGNEE(S): Nihon University, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

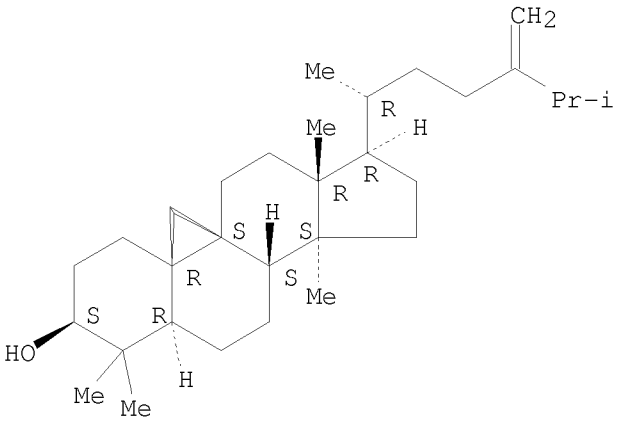
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003277269	A	20031002	JP 2002-78753	20020320
PRIORITY APPLN. INFO.:			JP 2002-78753	20020320

AB Cycloartan triterpenes from rice bran, with EBV (Epstein-Barr virus)-inhibiting activity, are claimed as carcinogenic preventive medicines. The triterpenes were prepared, and their inhibiting activities on EBV activation were tested.

IT 1449-09-8P, 24-Methylenecycloartanol 57586-98-8P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(cycloartan triterpenes from rice bran as carcinogenic preventive medicines)

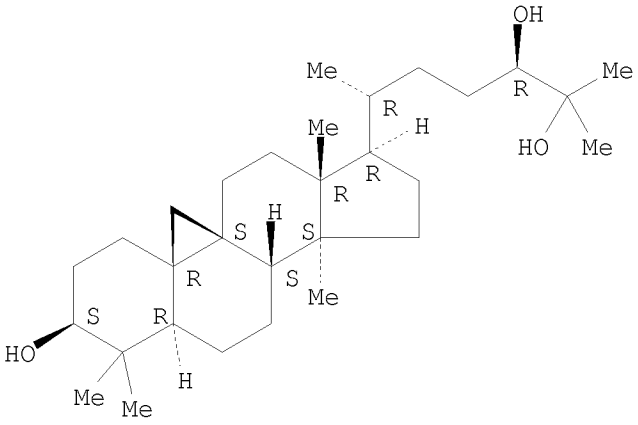
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 57586-98-8 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24R)- (CA INDEX NAME)

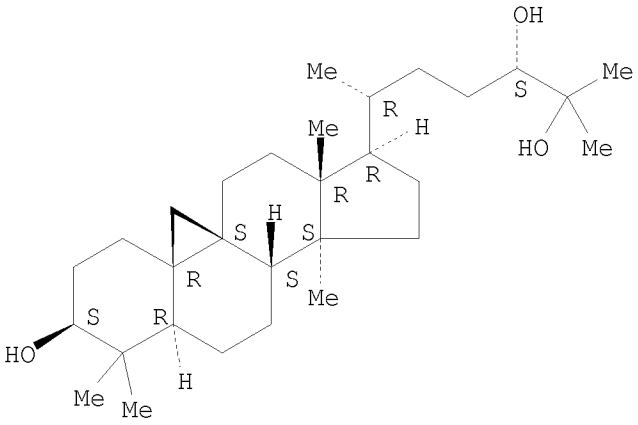
Absolute stereochemistry. Rotation (+).



IT 57576-29-1P 357419-12-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cycloartan triterpenes from rice bran as carcinogenic preventive medicines)

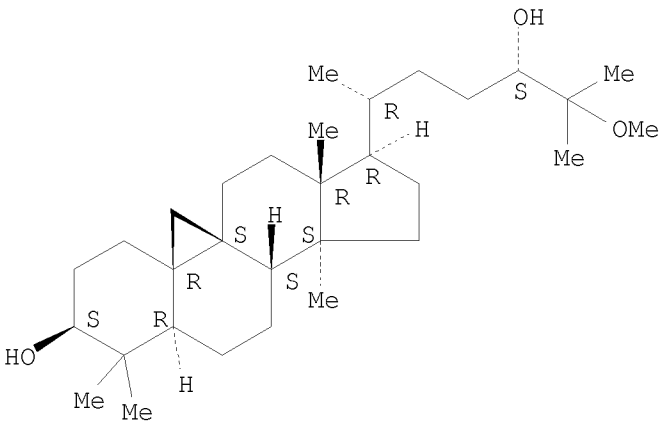
RN 57576-29-1 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



RN 357419-12-6 CAPLUS
CN 9,19-Cyclolanostane-3,24-diol, 25-methoxy-, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 26 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:72020 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 136:136606
TITLE: Method for preparing a fatty ester and use thereof in pharmaceutics, cosmetics or food industry
INVENTOR(S): Barrault, Joeel; Boisseau, Mickaeel; Pouilloux, Yannick; Piccirilli, Antoine
PATENT ASSIGNEE(S): Laboratoires Pharmascience, Fr.
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002006205	A1	20020124	WO 2001-FR2340	20010718
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2811984	A1	20020125	FR 2000-9506	20000719
FR 2811984	B1	20040206		
CA 2416803	A1	20020124	CA 2001-2416803	20010718
AU 2001078537	A	20020130	AU 2001-78537	20010718
EP 1301460	A1	20030416	EP 2001-956605	20010718
EP 1301460	B1	20080806		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004504291	T	20040212	JP 2002-512112	20010718
CN 1227212	C	20051116	CN 2001-815687	20010718
AT 403638	T	20080815	AT 2001-956605	20010718
US 20030195367	A1	20031016	US 2003-333467	20030121
US 6828451	B2	20041207		

PRIORITY APPLN. INFO.: FR 2000-9506 A 20000719

WO 2001-FR2340 W 20010718

OTHER SOURCE(S): MARPAT 136:136606

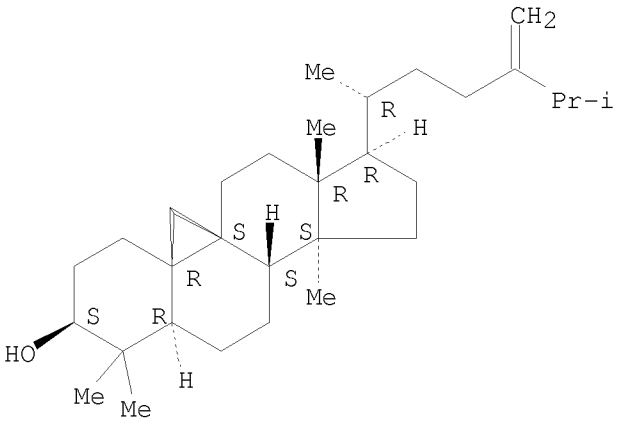
AB The invention concerns a method for preparing a fatty ester, characterized in that it consists in subjecting to an esterification reaction at least a fatty compound with ≥1 alc. compound selected from the group consisting of sterols, stanols, 4-methylsterols and their hydrogenated homologs, triterpene alcs. and their hydrogenated homologs, and mixts. thereof, in the presence of ≥1 solid catalyst selected from a group consisting of lanthanide oxides and the mixts. of said oxides. Said method enables to obtain products particularly suited for use in the field of pharmaceutics, in particular dermatol., cosmetics and special food production (functional food products, medicinal food products and dietetic food products). Thus, reaction of 29 g mixture containing 26-31% campesterol, 16-23% stigmasterol, 48-53% β-sitosterol, and traces of campestanol and β-sitostanol 7 h at 240° with 15 g Me laurate (I) and 500 rpm stirring in the presence of 2.316 g La2O3 gave 38% product at 25% I conversion and 74% sterol mixture conversion.

IT 1449-09-8, 24-Methylenecycloartanol
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of fatty ester mixts. from mixts. of sterols, stanols, triterpene alcs. and homologs in presence of lanthanide oxides for use in pharmaceutics, cosmetics or food industry)

RN 1449-09-8 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 27 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:781057 CAPLUS <<LOGINID::20090205>>

DOCUMENT NUMBER: 135:329350

TITLE: Extraction of cocoa oil from cocoa hulls

INVENTOR(S): Romanczyk, Leo J., Jr.; McClelland, Craig

PATENT ASSIGNEE(S): Mars, Inc., USA

SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001079400	A2	20011025	WO 2001-US11571	20010411
WO 2001079400	A3	20020516		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 20020048613	A1	20020425	US 2001-833134	20010411
US 6743450	B2	20040601		

PRIORITY APPLN. INFO.: US 2000-197134P P 20000414

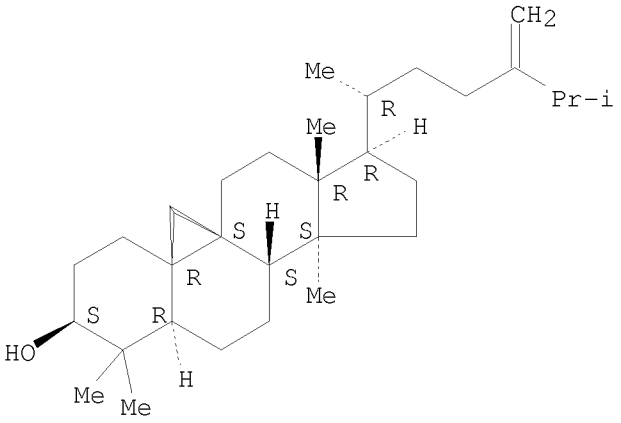
AB Cocoa oils containing phytosterols and tocols useful in foods, dietary supplements, pharmaceuticals, and cosmetics, are prepared by extracting the cocoa hulls from dried unfermented or fermented cocoa beans, micronized cocoa beans, or roasted beans with a solvent such as petroleum ether and then removing the solvent.

IT 1449-09-8, 24-Methylene cycloartanol
RL: FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(extraction of cocoa oil from cocoa hulls)

RN 1449-09-8 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 28 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:780171 CAPLUS <<LOGINID::20090205>>

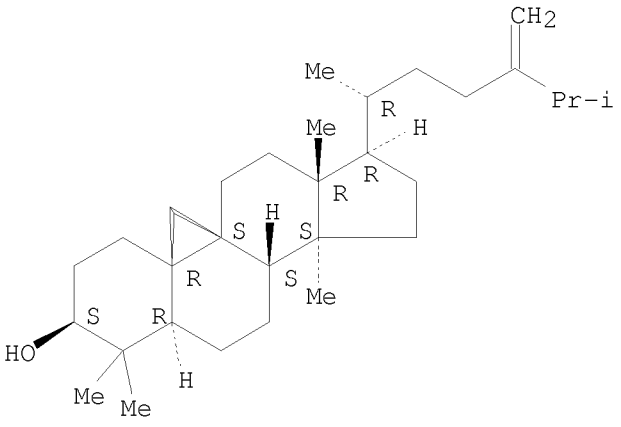
DOCUMENT NUMBER: 137:52149

TITLE: Free and esterified sterols in seed oil and pulp/peel oil of sea buckthorn (Hippophae rhamnoides L.)

AUTHOR(S): Yang, Baoru; Kallio, Heikki; Koponen, Jani; Tahvonen,

Raija
CORPORATE SOURCE: Department of Biochemistry and Food Chemistry, University of Turku, Turku, FIN-20014, Finland
SOURCE: Special Publication - Royal Society of Chemistry (2001), 269(Biologically-Active Phytochemicals in Food), 24-27
CODEN: SROCDO; ISSN: 0260-6291
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Phytosterols in oils from seeds and pulp/peel of sea buckthorn (Hippophae rhamnoides L.) berries were analyzed as TMS-derivs. with GC-MS and GC-FID. The seed oil contained 0.8% free and 0.5% esterified sterols. In the pulp/peel oil, the corresponding values were 1.0% and 1.1%, resp. Sitosterol comprised 76% of free and 58% of esterified sterols of seed, and 66% and 32%, resp., of those of the pulp/peel. The other identified compds. were stigmasta-5,24-dien-3β-ol, stigmastanol, campesterol, stigmasta-7,24-dien-3β-ol, stigmast-7-en-3β-ol, 4-methyl-stigmasta-7,24-dien-3β-ol, cycloartenol, 4,14-dimethyl-9,19-cyclo-ergost-24(241)-en-3β-ol, 24-methyl-cycloart-24(241)-en-3β-ol, and 4,14-dimethyl-9,19-cyclo-stigmast-24(241)-en-3β-ol. Differences were found in the relative abundance of different sterols in free sterols and steryl esters of the seeds and the pulp/peel. The sterols identified in the present study represent different intermediate compds. in the biosynthesis pathways converting cycloartenol to sitosterol and other sterols. The fatty acid compns. of steryl esters in the seeds and pulp/peel of sea buckthorn berries have been reported for the first time in the present study.
IT 1449-09-8
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(fee and esterified sterols in seed oil and pulp/peel oil of sea buckthorn (Hippophae rhamnoides L.))
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 29 OF 40 CAPLUS

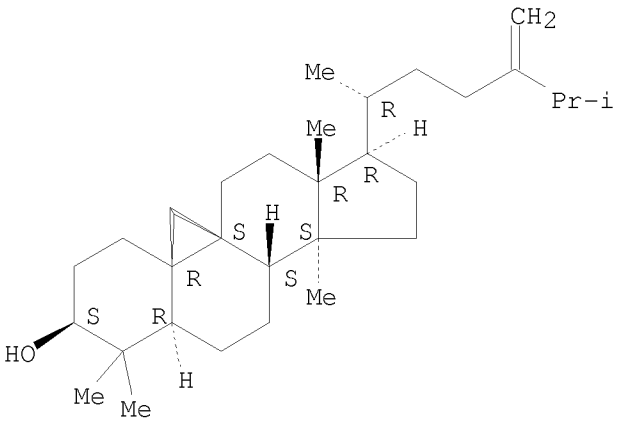
ACCESSION NUMBER: 2001:779345 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 136:144641
TITLE: Inhibition of trypsin and chymotrypsin by anti-inflammatory triterpenoids from Compositae flowers
AUTHOR(S): Rajic, Antonio; Akihisa, Toshihiro; Ukiya, Motohiko; Yasukawa, Ken; Sandeman, R. Mark; Chandler, David S.; Polya, Gideon M.
CORPORATE SOURCE: Department of Biochemistry, Department of Agricultural Sciences, La Trobe University, Victoria, 3086, Australia
SOURCE: Planta Medica (2001), 67(7), 599-604
CODEN: PLMEAA; ISSN: 0032-0943
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Taraxastane, oleanane, ursane, lupane, taraxane, cycloartane, dammarane and tirucallane triterpenoids isolated from flowers of Compositae plants have been previously reported to exhibit anti-inflammatory effects and are variously competitive and non-competitive inhibitors of the serine proteases trypsin and chymotrypsin. The general features of those triterpenoids found to be protease inhibitors are having a hydroxy group and an appropriate side chain in the region of the mol. distal to the 3-hydroxy group. However, fatty acid esterification of the triterpenoid 3-hydroxy group can have a marked effect on inhibitor effectiveness. This suggests a possible means of rapid alteration of the plant defensive complement in vivo and of the bioactivity of these anti-inflammatory compds.

IT 1449-09-8, 24-Methylenecycloartanol 57576-29-1 57586-98-8 357419-12-6
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(inhibition of trypsin and chymotrypsin by anti-inflammatory triterpenoids from Compositae flowers)

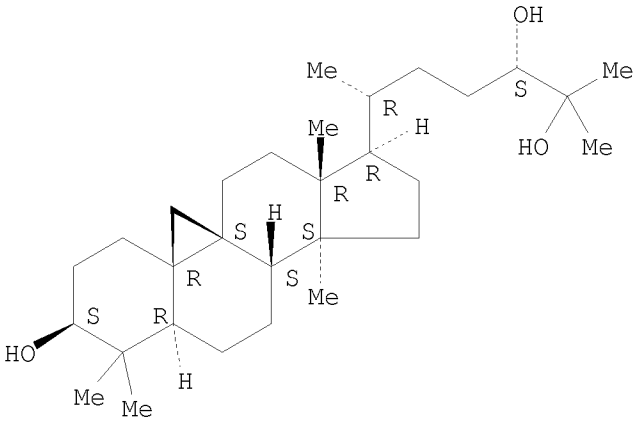
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



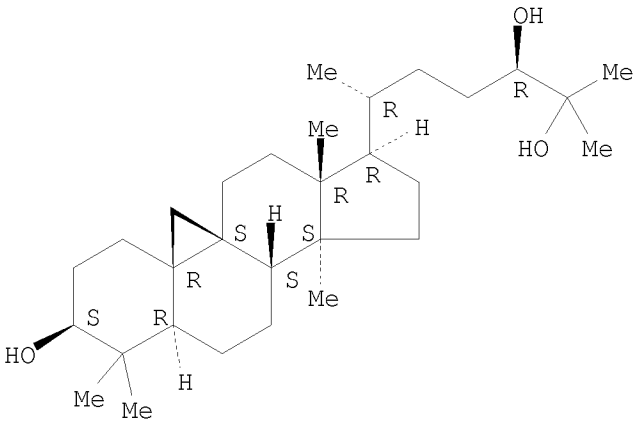
RN 57576-29-1 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



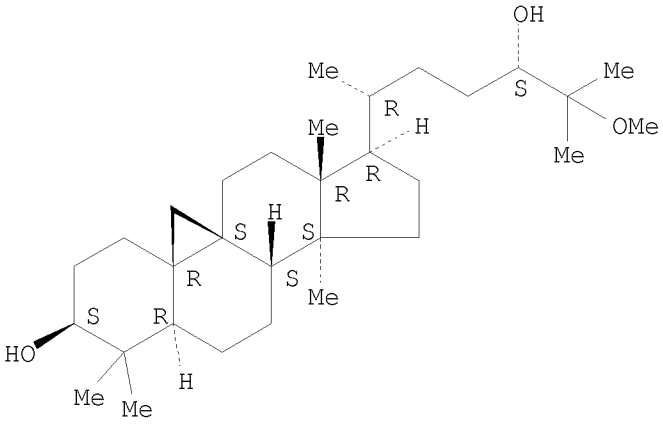
RN 57586-98-8 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 357419-12-6 CAPLUS
CN 9,19-Cyclolanostane-3,24-diol, 25-methoxy-, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



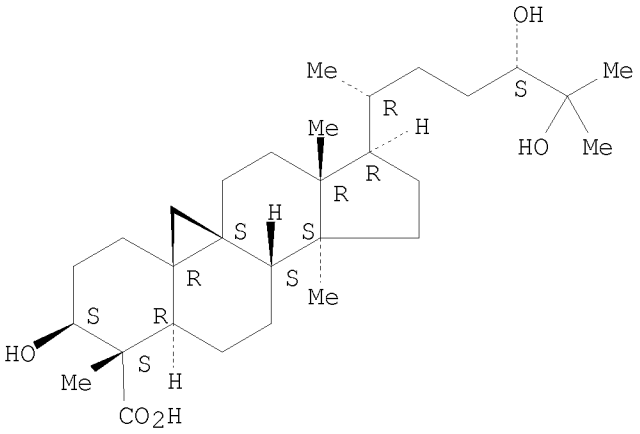
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 30 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2001:456655 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 135:220905
TITLE: Cyclooxygenase-inhibitory and antioxidant constituents of the aerial parts of Antirhea acutata
AUTHOR(S): Lee, D.; Park, E. Jung; Cuendet, M.; Axelrod, F.; Chavez, P. I.; Fong, H. H. S.; Pezzuto, J. M.; Kinghorn, A. D.
CORPORATE SOURCE: College of Pharmacy, Program for Collaborative Research in the Pharmaceutical Sciences and Department of Medicinal Chemistry and Pharmacognosy, University of Illinois at Chicago, Chicago, IL, 60612, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2001), 11(12), 1565-1568
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Two new compds., (6S)-hydroxy-29-nor-3,4-seco-cycloart-4(30),24-dien-3-oic acid (I) and 8-[1-(3,4-dihydroxyphenyl)-3-methoxy-3-oxopropyl]epicatechin (III), were isolated by bioassay-guided fractionation from the aerial parts of Antirhea acutata (DC.) Urb. (Rubiaceae). Compound I showed moderate inhibitory activities in cyclooxygenase-1 and -2 assays (IC50 43.7 and 4.7 μM, resp.), while compound III was active in 1,1-diphenyl-2-picrylhydrazyl free-radical and cytochrome c reduction antioxidant assays (IC50 29.1 and 16.3 μM, resp.). Addnl., one further new compound was isolated, (3S,24S)-25-trihydroxy-9,19-cycloartane-29-oic acid (II), but this was inactive in the bioassay systems used. Compound I is based on the unprecedented 29-nor-3,4-seco-cycloartane skeleton.

IT 359779-83-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclooxygenase-inhibitory and antioxidant constituents of aerial parts of Antirhea acutata)
RN 359779-83-2 CAPLUS
CN 9,19-Cyclolanostan-28-oic acid, 3,24,25-trihydroxy-, (3β,4α,24S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 31 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:456898 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 133:88533
TITLE: Compositions obtained from Mangifera indica L.
INVENTOR(S): Nunez Selles, Alberto Julio; Paez Betancourt, Eleuterio; Amaro Gonzalez, Daniel; Acosta Esquijarosa, Jhoany; Aguero Aguero, Juan; Capote Hernandez, Raul; Garciga Hernandez, Maria Rosa; Morales Lacarrere, Ivan Gaston; Garcia Pulpeiro, Oscar; Garrido Garrido, Gabino; Martinez Sanchez, Gregorio; Morales, Miguel
PATENT ASSIGNEE(S): Centro de Quimica Farmaceutica, Cuba
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Spanish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000038699	A1	20000706	WO 1999-CU7		19991229
W: AU, BR, CA, CN, ID, IN, JP, MX, RU, SD, UA, US, VN					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2358013	A1	20000706	CA 1999-2358013		19991229
AU 2000022531	A	20000731	AU 2000-22531		19991229
PRIORITY APPLN. INFO.:			CU 1998-203	A	19981229
			WO 1999-CU7	W	19991229

AB The present invention relates essentially to the pharmaceutical, food and cosmetic industries and in particular to the preparation of formulations of active principles which are derived from bark of the plant Mangifera indica, among which are the polyphenols, the terpenoids, the steroids, the fatty acids and microelements which have antioxidant, anti-inflammatory, analgesic and antispasmodic properties, thereby conferring to said formulations high value as dietary supplements for the improvement of the quality of life of patients suffering from degenerative diseases, as well

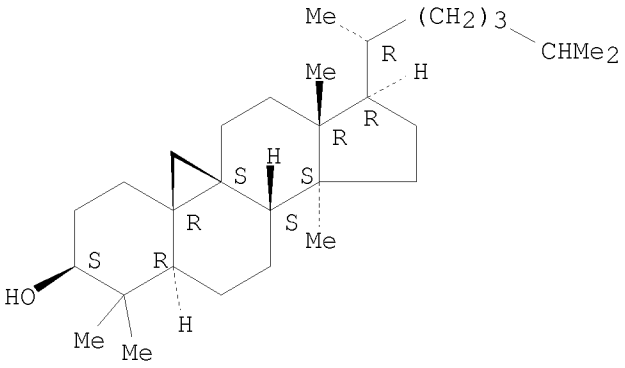
as for anti-aging treatment and for consumption by healthy persons.

IT 4657-58-3, Cycloartanol
RL: BUU (Biological use, unclassified); FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compns. obtained from Mangifera indica for health food and drugs and cosmetics)

RN 4657-58-3 CAPLUS

CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 32 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:350484 CAPLUS <<LOGINID::20090205>>

DOCUMENT NUMBER: 133:114602

TITLE: Triterpene Alcohol and Sterol Ferulates from Rice Bran and Their Anti-inflammatory Effects

AUTHOR(S): Akihisa, Toshihiro; Yasukawa, Ken; Yamaura, Miho; Ukiya, Motohiko; Kimura, Yumiko; Shimizu, Naoto; Arai, Koichi

CORPORATE SOURCE: College of Science and Technology, Nihon University, Tokyo, 101-8308, Japan

SOURCE: Journal of Agricultural and Food Chemistry (2000), 48(6), 2313-2319
CODEN: JAFCAU; ISSN: 0021-8561

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Six novel feruloyl esters of triterpene alcs. and sterols, viz., two trans-ferulates, cycloeucalenol and 24-methylenecholesterol trans-ferulates, and four cis-ferulates, cycloartenol, 24-methylenecycloartanol, 24-methylcholesterol, and sitosterol cis-ferulates, besides five known trans-ferulates, cycloartenol (CAR), 24-methylenecycloartanol (24-MCA), 24-methylcholesterol, sitosterol, and stigmastanol trans-ferulates, and one known cis-ferulate, stigmastanol cis-ferulate, were isolated from the methanol extract of edible rice bran. These and eight other synthetic trans- and cis-ferulates of triterpene alcs. and sterols, along with the corresponding free alcs., were evaluated with respect to their anti-inflammatory activity against 12-O-tetradecanoylphorbol-13-acetate (TPA)-induced inflammation (1 μg per ear) in mice. All of the ferulates showed marked inhibitory activity, and their 50% ID (ID50) was 0.1-0.8 mg per ear. Whereas two free

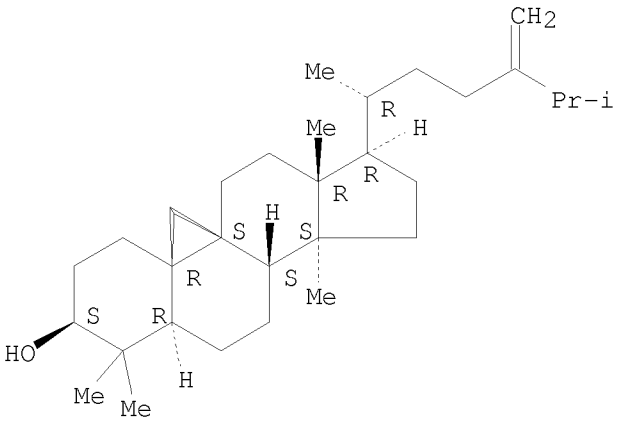
triterpene alcs., CAR and 24-MCA, showed strong inhibition (ID50 0.2-0.3 mg/ear), eight free sterols examined showed weaker activity (ID50 0.7-2.7 mg/ear) than their corresponding ferulates.

IT 1449-09-8P, 24-Methylenecycloartanol
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(triterpene alc. and sterol ferulates from rice bran and anti-inflammatory effects)

RN 1449-09-8 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:242328 CAPLUS <<LOGINID::20090205>>

DOCUMENT NUMBER: 133:37714

TITLE: Hepatoprotective effect of Combretum quadrangulare and its constituents

AUTHOR(S): Banskota, Arjun Hari; Tezuka, Yasuhiro; Adnyana, I. Ketut; Xiong, Quanbo; Hase, Koji; Tran, Kim Qui; Tanaka, Ken; Saiki, Ikuo; Kadota, Shigetoshi

CORPORATE SOURCE: Institute of Natural Medicine, Toyama Medical and Pharmaceutical University, Toyama, 930-0194, Japan

SOURCE: Biological & Pharmaceutical Bulletin (2000), 23(4), 456-460
CODEN: BPBLEO; ISSN: 0918-6158

PUBLISHER: Pharmaceutical Society of Japan

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The MeOH extract of leaves of Combretum quadrangulare showed significant hepatoprotective effect on D-galactosamine (D-GalN)/lipopolysaccharide (LPS)-induced exptl. liver injury in mice and on D-GalN/tumor necrosis factor-α (TNF-α)-induced cell death in primary cultured mouse hepatocytes. Phytochem. investigation led to the isolation of thirty cycloartane-type triterpenes together with betulinic acid, β-sitosterol, β-sitosterol glucoside, 4 flavones (34-37), and 3 flavone C-glucosides (38-40). These compds. showed various potencies of

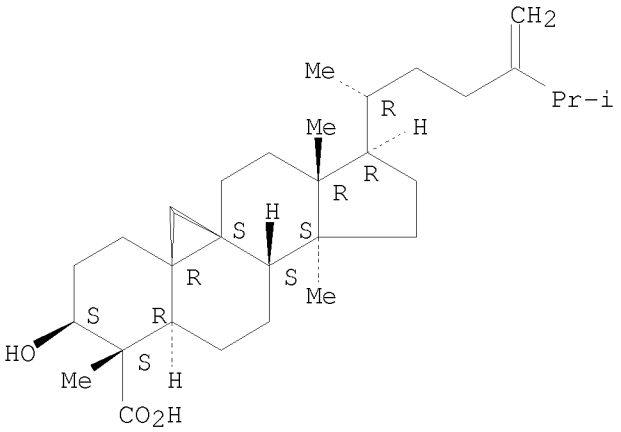
hepatoprotective effect on D-GalN/TNF-α-induced cell death in primary cultured mouse hepatocytes. Quadrangularol B (29), Me quadrangularate I (33), kamatakenin (34), 5,7,4'-trihydroxy-3,3'-dimethoxyflavone (35), 5,4'-dihydroxy-3,7,3'-trimethoxyflavone (36) and isokaempferide (37) showed strong inhibitory effect on TNF-α-induced cell death with IC50 values of 34.3, 33.7, 13.3, 22.4, 13.4 and 22.8 μM, resp., whereas clin.-used silibinin had an IC50 value of 39.6 μM and glycyrrhizin showed very weak inhibitory effect. Me quadrangularates A (30) and N (32), norquadrangularic acid B (31) and vitexin (40) also showed potent inhibition on TNF-α-induced cell death with IC50 values of 45.7, 89.3, 67.6 and 40.1 μM, resp. The flavonoids and some of the cycloartane-type triterpenes appeared to be the hepatoprotective principles of the leaves of C. quadrangulare.

IT 149252-87-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(hepatoprotective effect of Combretum quadrangulare and its constituents)

RN 149252-87-9 CAPLUS

CN 9,19-Cyclolanostan-28-oic acid, 3-hydroxy-24-methylene-, (3β,4α)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:176868 CAPLUS <<LOGINID::20090205>>

DOCUMENT NUMBER: 132:303174

TITLE: Inhibitory effect of euphol, a triterpene alcohol from the roots of Euphorbia kansui, on tumor promotion by 12-O-tetradecanoylphorbol-13-acetate in two-stage carcinogenesis in mouse skin

AUTHOR(S): Yasukawa, Ken; Akihisa, Toshihiro; Yoshida, Zen-Ya; Takido, Michio

CORPORATE SOURCE: College of Pharmacy, Nihon University, Funabashi, 274-8555, Japan

SOURCE: Journal of Pharmacy and Pharmacology (2000), 52(1), 119-124

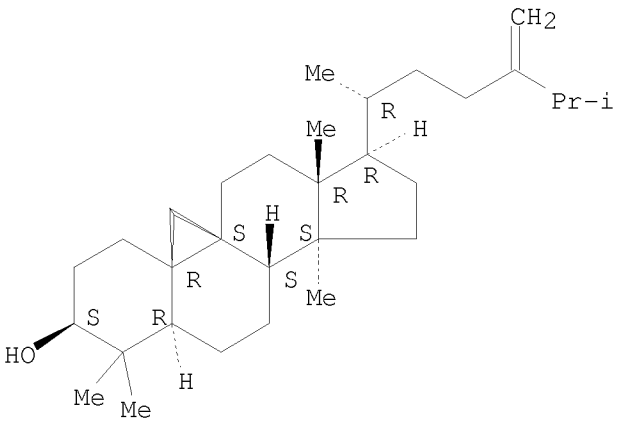
CODEN: JPPMAB; ISSN: 0022-3573
PUBLISHER: Royal Pharmaceutical Society of Great Britain
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The anti-inflammatory activity of euphol, twelve other triterpene alcs. and sitosterol-β-D-glucopyranoside, isolated from the dichloromethane extract of the roots of Euphorbia kansui, has been evaluated in mice with inflammation induced by 12-O-tetradecanoylphorbol-13-acetate (TPA). TPA (1.7 nmol; 1.0 μg/ear) was dissolved in acetone and 10 μL delivered to the inner and outer surfaces of the right ear of ICR mice. A triterpene alc., sterol glucoside or vehicle (20 μL; chloroform-methanol 1:1), was applied topically approx. 30 min before each TPA treatment. The ear thickness was measured before treatment and then edema was measured 6 h after TPA treatment. For the two-stage carcinogenesis experiment, initiation was accomplished by administration of a single topical application of 7,12-dimethylbenz[a]anthracene (DMBA; 195 nmol; 50 μg/mouse) to the shaved backs of mice. Promotion was with 1.7 nmol (1.0 μg) TPA, applied twice weekly to the same shaved area, begun one week after the initiation. Euphol (2.0 μmol; 853 μg), or its vehicle (acetone-dimethylsulfoxide, 9:1; 100 μL), was applied topically 30 min before each TPA treatment. The number and diameter of skin tumors were measured every other week for 20 wk. All the compds. were found to possess marked inhibitory activity and their 50% ID for TPA-induced inflammation was 0.2-1.0 mg/ear. Topical application of euphol (2.0 μmol; 853 μg/mouse) markedly suppressed the tumor-promoting effect of TPA (1.7 nmol; 1.0 μg/mouse) in mouse skin initiated with DMBA.

IT 1449-09-8, 24-Methylenecycloartanol
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antiinflammatory and antitumor activity of euphol and other triterpene alcs. from Euphorbia kansui roots)

RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

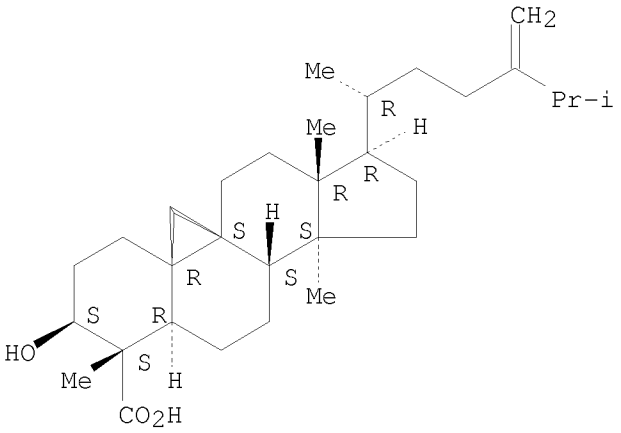
L7 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:49823 CAPLUS <<LOGINID::20090205>>

DOCUMENT NUMBER: 130:246287
TITLE: Cytotoxic cycloartane-type triterpenes from Combretum quadrangulare
AUTHOR(S): Banskota, Arjun H.; Tezuka, Yasuhiro; Phung, Le Kim; Tran, Kim Qui; Saiki, Ikuo; Miwa, Yoshihisa; Taga, Tooru; Kadota, Shigetoshi
CORPORATE SOURCE: Research Institute for Wakan-Yaku (Traditional Sino-Japanese Medicines), Toyama Medical and Pharmaceutical University, Toyama, 30-0194, Japan
SOURCE: Bioorganic & Medicinal Chemistry Letters (1998), 8(24), 3519-3524
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Seven novel cycloartane-type triterpenes were isolated from Combretum quadrangulare, and their structures were elucidated on the basis of spectral anal. All these compds. were tested for their cytotoxicity against murine colon 26-L5 carcinoma cells. The hydroxy group at C-1 has no significant role for the proliferation activity, but hydroxy group at C-3 in boat conformation, i.e. Me quadrangularate D, plays a key role for the cytotoxicity. Me quadrangularate B and Me quadrangularate D exhibited potent cytotoxicity having ED50, values 9.54 and 5.42 μM, resp.

IT 149252-87-9P
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
(cytotoxic cycloartane-type triterpenes from Combretum quadrangulare against colon carcinoma)
RN 149252-87-9 CAPLUS
CN 9,19-Cyclolanostan-28-oic acid, 3-hydroxy-24-methylene-, (3β,4α)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

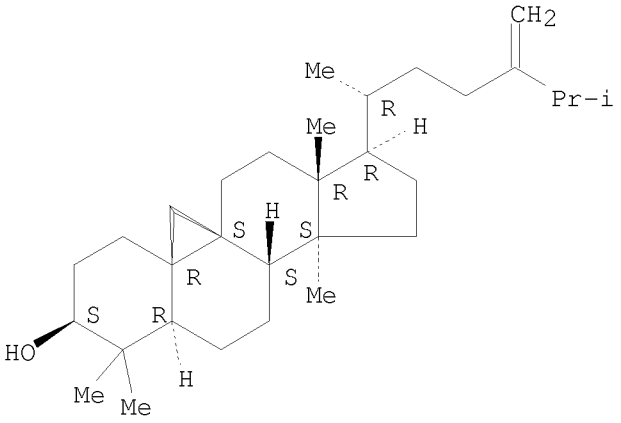


REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:30502 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 130:246438
TITLE: Inhibitory effect of triterpenes from Compositae

plants on tumor promotion in two-stage carcinogenesis in mouse skin
AUTHOR(S): Yasukawa, Ken; Akihisa, Toshihrio; Kasahara, Yoshimasa; Kumaki, Kunio; Tamura, Toshitake; Yamanouchi, Sakae; Takido, Michio
CORPORATE SOURCE: College of Pharmacy, Nihon University, Funabashi, 274, Japan
SOURCE: International Congress Series (1998), 1157(Towards Natural Medicine Research in the 21st Century), 207-218
CODEN: EXMDA4; ISSN: 0531-5131
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB This study presents effects of 23 triterpenes from Compositae plants on TPA-induced inflammation and tumor promotion during mouse skin carcinogenesis.
IT 1449-09-8P, 24-Methylenecycloartanol
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(inhibitory effect of triterpenes from Compositae plants on tumor promotion in two-stage carcinogenesis in mouse skin)
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 37 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1998:392939 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 129:65557
ORIGINAL REFERENCE NO.: 129:13548h,13549a
TITLE: Analgesic compounds from Epidendrum mosenii stems
AUTHOR(S): Floriani, A. E. O.; Ferreira, J.; Santos, A. R. S.; Delle-Monache, F.; Yunes, R. A.; Cechinel-Filho, Valdir
CORPORATE SOURCE: Nucleo Incetsigacoes Quimico-Farm./FAQFAR, Univ. Vale, Itajai, 88302, Brazil

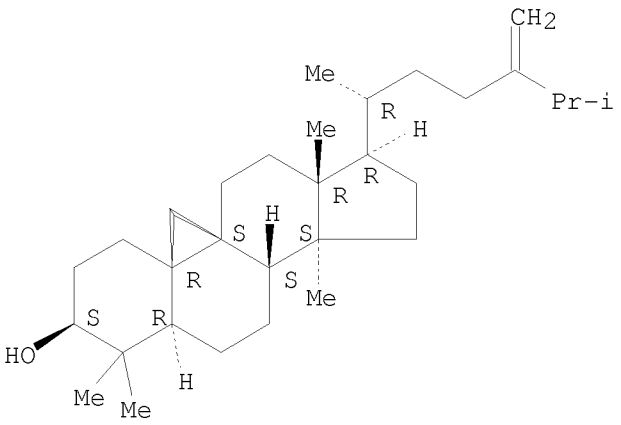
SOURCE: Pharmazie (1998), 53(6), 426-427
CODEN: PHARAT; ISSN: 0031-7144
PUBLISHER: Govi-Verlag Pharmazeutischer Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The pharmacol. effects of the Brazilian medicinal plant E. mosenii against acetic acid-induced abdominal constriction were investigated in mice to determine the main active components. Three pharmacol. active components were isolated from the methanolic extract of the stems: pholidotin, a mixture of β-sitosterol (77.10%), stigmasterol (19.98%), and campesterol (2.92%), and 24-methylenecycloartanol. Pholidotin and 24-methylenecycloartanol exhibited notable analgesic action at 3 mg/kg, causing 86 and 83% inhibition of abdominal constriction, resp. They were more efficacious than indomethacin and dipyrone at 10 mg/kg.

IT 1449-09-8P, 24-Methylenecycloartanol
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(analgesic triperpenes from Epidendrum mosenii stems)

RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 38 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1996:32836 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 124:140937
ORIGINAL REFERENCE NO.: 124:26099a,26102a
TITLE: Studies on the triterpenic fraction of Litchi sinensis Sonn. and Euphoria longana Lam. seed oils.
AUTHOR(S): Grondin, Isabelle; Smadja, Jacqueline; Farines, Marie; Soulier, Jacques
CORPORATE SOURCE: Faculte des Sciences, Universite de La Reunion, Saint-Denis, 97715/9, Fr.
SOURCE: Oleagineux, Corps Gras, Lipides (1995), 2(3), 229-35
CODEN: OCLOEX; ISSN: 1258-8210
PUBLISHER: Libbey Eurotext
DOCUMENT TYPE: Journal
LANGUAGE: French

AB Chemical composition of the unsaponifiable matter of litchi (L. sinensis) and

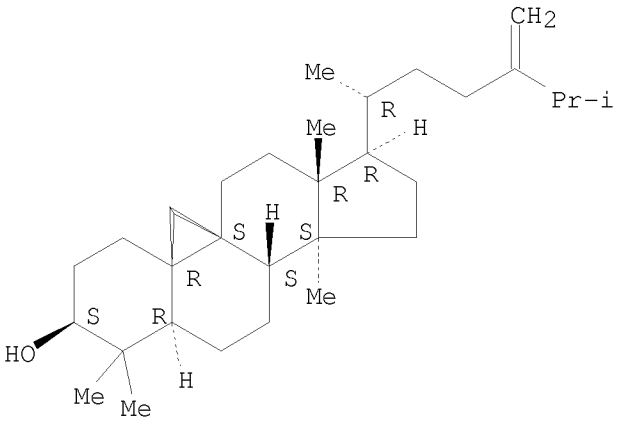
longan (Euphoria longana) seed oils was elucidated. These oils are highly rich in unsaponifiable matter, with 26,8 % for the letchi and 13,9 % for the longan. Triterpenic components are fractionated by gas chromatog., HPLC and argentation TLC. We isolated six triterpene alcs. (α- and β-amyrin, lupeol, 24-methylenelanost-8-en-3β-ol, 24-methyleneparkeol and 24-methylenecycloartanol), 4 4-methylsterols and 6 4-desmethylsterols. The structure of the different compds. was determined by proton NMR.

IT 1449-09-8, 24-Methylenecycloartanol)
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)
(of Litchi sinensis and Euphoria longana seed oils)

RN 1449-09-8 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1995:319344 CAPLUS <<LOGINID::20090205>>

DOCUMENT NUMBER: 122:150989

ORIGINAL REFERENCE NO.: 122:27677a,27680a

TITLE: Biologically active compounds from the Euphorbiaceae; 2. Two triterpenoids of Euphorbia cyparissias

AUTHOR(S): Oeksuz, Sevil; Gil, Roberto R.; Chai, Heebyung; Pezzuto, John M.; Cordell, Geoffrey A.; Ulubelen, Ayhan

CORPORATE SOURCE: Fac. Pharm., Univ. Istanbul, Istanbul, 34452, Turk.

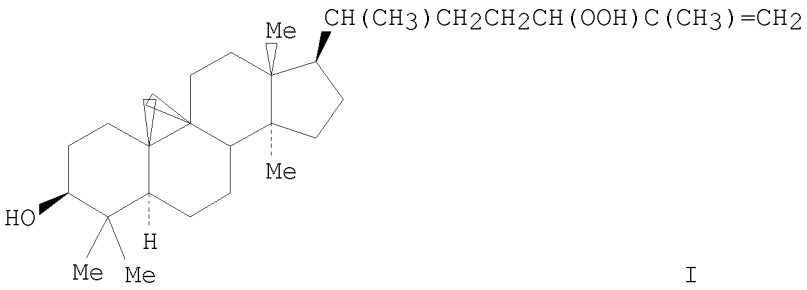
SOURCE: Planta Medica (1994), 60(6), 594-6
CODEN: PLMEAA; ISSN: 0032-0943

PUBLISHER: Thieme

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



I

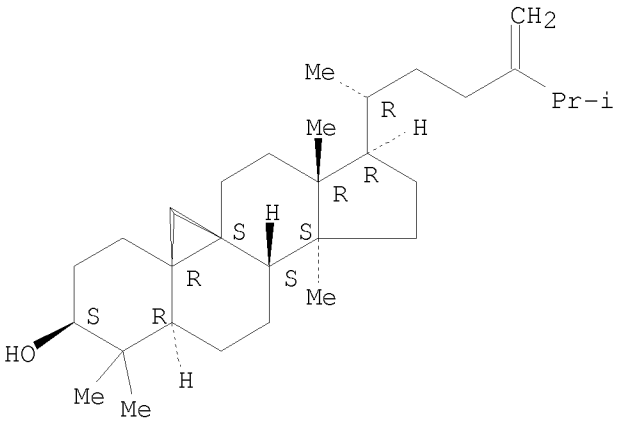
AB Several triterpenoids, including (I), were isolated from Euphorbia cyparissias and tested for cytotoxicity in P-388 and KB systems. 24-Methylenecycloartanol and 3β-hydroxycycloart-25-ene-24-one were active against the lymphocytic leukemia.

IT 1449-09-8P, 24-Methylenecycloartanol
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(antitumor triterpenoids from Euphorbia cyparissias)

RN 1449-09-8 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1984:168238 CAPLUS <<LOGINID::20090205>>

DOCUMENT NUMBER: 100:168238

ORIGINAL REFERENCE NO.: 100:25469a,25472a

TITLE: Trimethylsteroids as antichloesteremics

PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

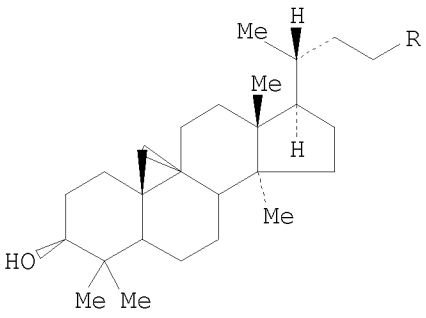
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 59027824	A	19840214	JP 1982-136535	19820805

PRIORITY APPLN. INFO.: JP 1982-136535 19820805

GI



I, R=CH=CMe$_2$

II, R=C(CH$_2$)CHMe$_2$

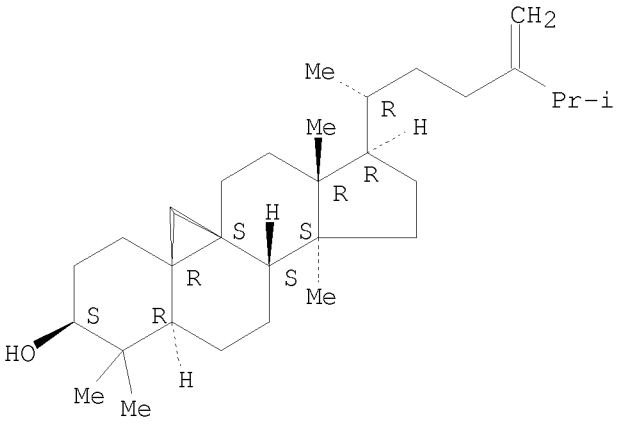
AB Trimethylsteroids such as cycloartenol (I) [469-38-5] and 24-methylenecycloartanol (II) [1449-09-8] are anticholesteremics. Thus, a diet containing 0.5% cholesterol and 1% I given to rats for 22 days inhibited the increase of cholesterol levels in blood plasma by 50.2%.

IT 1449-09-8
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(anticholesteremic activity of)

RN 1449-09-8 CAPLUS

CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



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(FILE 'HOME' ENTERED AT 07:59:54 ON 05 FEB 2009)

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L2           32 S L1
L3              STRUCTURE UPLOADED
L4            5 S L3
L5           90 S L4 FULL

     FILE 'CAPLUS' ENTERED AT 08:03:43 ON 05 FEB 2009
L6          840 S L5
L7           40 L6 AND THU/RL

=> l6 and (diabet? or "blood sugar" or ?glycemi?)
        173098 DIABET?
       1430941 "BLOOD"
          1339 "BLOODS"
       1431098 "BLOOD"
                ("BLOOD" OR "BLOODS")
        287341 "SUGAR"
        136560 "SUGARS"
        361277 "SUGAR"
                ("SUGAR" OR "SUGARS")
         39677 "BLOOD SUGAR"
                ("BLOOD"(W)"SUGAR")
         64904 ?GLYCEMI?
L8           7 L6 AND (DIABET? OR "BLOOD SUGAR" OR ?GLYCEMI?)

=> d l8 1-7 ibib abs hitstr

L8   ANSWER 1 OF 7  CAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:        2008:1300157  CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER:         149:513980
TITLE:                   Preparation of steroids as modulators of amyloid-beta
                         production
INVENTOR(S):             Findeis, Mark; Creaser, Steffen P.
PATENT ASSIGNEE(S):      Satori Pharmaceuticals, Inc., USA
SOURCE:                  PCT Int. Appl., 87pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     WO 2008130449        A2    20081030    WO 2007-US85229        20071120
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,
             CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI,
             GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,
             KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
             MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,
             PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,
             TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,
             GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                       US 2006-860130P     P  20061120
OTHER SOURCE(S):         MARPAT 149:513980
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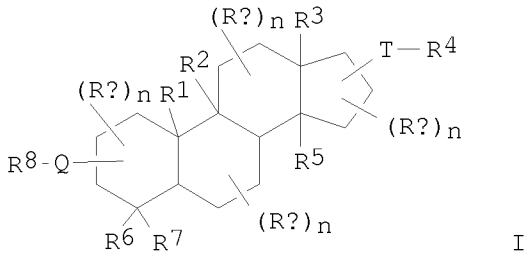
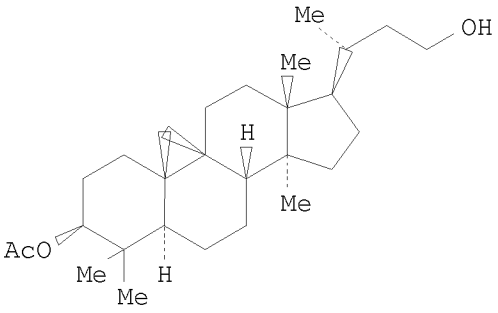
GI



I



II

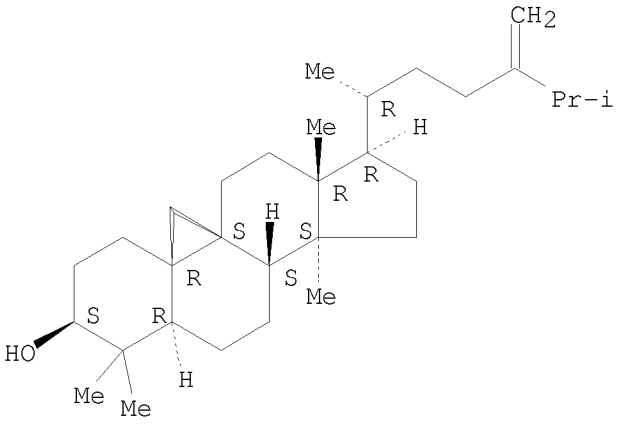
AB Compds. of formula I [R1-R3, R5-R7 = H, alkyl, halo, alkoxy, alkylthio, etc.; R1R2, R6R7 = alkylene, etc.; R3R5 = O; T, Q = bond, alkylene, etc.; R4 = CN, alkyl, alkoxy, etc.; each n = 0-2; Ra-Rd = halo, CN, alkyl, alkoxy, alkylthio, etc.; R8 = protected OH, etc.] are prepared which are useful for treating or lessening the severity of a neurodegenerative disorder, e.g. Alzheimer's disease. Thus, II was prepared from cycloartenol ferulate. Some of the prepared compds. were found to selectively lower amyloid-beta (1-42) peptide at 10 μM.

IT 1449-09-8P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of steroids as modulators of amyloid-β production)

RN 1449-09-8 CAPLUS

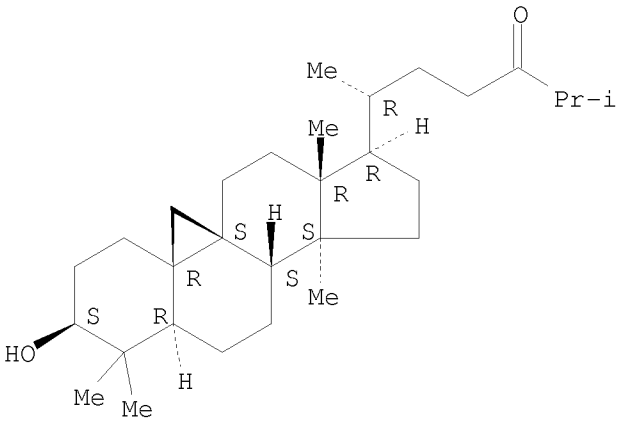
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



IT 89786-70-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of steroids as modulators of amyloid-β production)
RN 89786-70-9 CAPLUS
CN 9,19-Cyclolanostan-24-one, 3-hydroxy-, (3β)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



L8 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:585503 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 147:2038
TITLE: Aloe vera extract, process for production of aloe vera extract, and ameliorating agent for hyperglycemia
INVENTOR(S): Tanaka, Miyuki; Yamada, Muneo
PATENT ASSIGNEE(S): Morinaga Milk Industry Co., Ltd., Japan
SOURCE: PCT Int. Appl., 35pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2007060911	A1	20070531	WO 2006-JP323095		20061120
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW					
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
AU 2006317258	A1	20070531	AU 2006-317258		20061120
AU 2006317258	B2	20081218			
CA 2602066	A1	20070531	CA 2006-2602066		20061120
JP 4095115	B2	20080604	JP 2007-546430		20061120
EP 1952817	A1	20080806	EP 2006-823482		20061120
R: DE, ES, FR, GB, IT					
US 20090004307	A1	20090101	US 2007-815428		20070802
KR 2007096010	A	20071001	KR 2007-718270		20070809
IN 2007CN03548	A	20071116	IN 2007-CN3548		20070814
CN 101128211	A	20080220	CN 2006-80006127		20070824
PRIORITY APPLN. INFO.:			JP 2005-340245	A	20051125
			WO 2006-JP323095	W	20061120

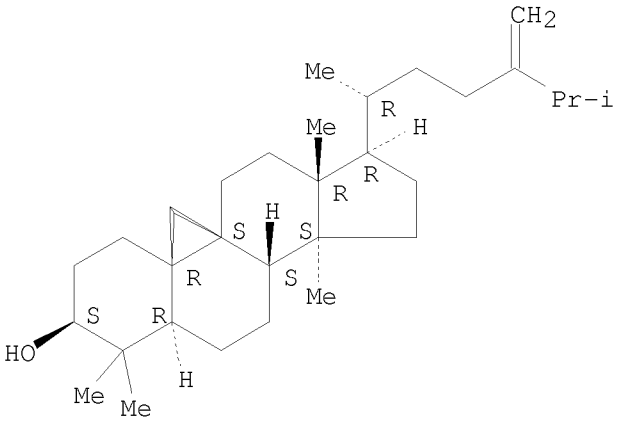
AB Disclosed is an aloe vera extract which is safe to ingest, can be used as a food material for use in the prevention of a life-style related disease, has extremely less contamination of an anthraquinone compound and can be added to a food. Also disclosed is a process for production of the aloe vera extract An aloe vera extract can be produced by using a supercrit. extraction method, which contains 1.0 % by mass or more of a mixture of a cyclolanostane compound and a lophenol compound and has the following property (1) and/or (2): (1) mixing ratio between the cyclolanostane compound and the lophenol compound is as follows: (cyclolanostane compound:lophenol compound) = 6.3:2.7 to 5.1:4.9 by mass; and (2) the content of the anthraquinone is 0.001% by mass or less.

IT 1449-09-8 4657-58-3
RL: FFD (Food or feed use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(sterols from Aloe vera exts. as ameliorating agents for hyperglycemia)

RN 1449-09-8 CAPLUS

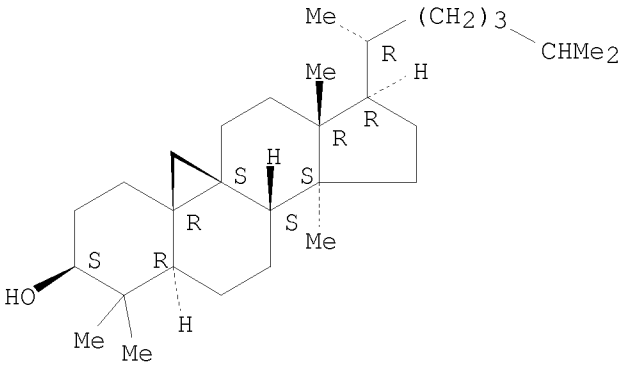
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:435166 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 146:428578
TITLE: Agent for amelioration of insulin resistance
INVENTOR(S): Tanaka, Miyuki; Misawa, Eriko
PATENT ASSIGNEE(S): Morinaga Milk Industry Co., Ltd., Japan
SOURCE: PCT Int. Appl., 48pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007043305	A1	20070419	WO 2006-JP318813	20060922

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,

KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,
RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

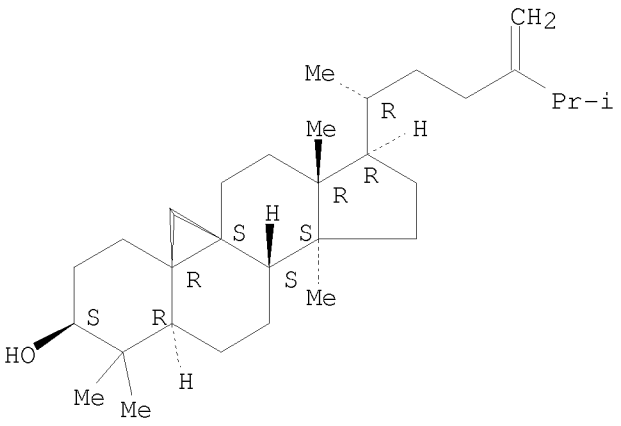
AU 2006300640	A1	20070419	AU 2006-300640		20060922
CA 2623639	A1	20070419	CA 2006-2623639		20060922
EP 1930014	A1	20080611	EP 2006-810426		20060922
R: DE, ES, FR, GB, IT					
JP 4176140	B2	20081105	JP 2007-539848		20060922
IN 2008CN00621	A	20081128	IN 2008-CN621		20080206
KR 2008031399	A	20080408	KR 2008-703390		20080212
CN 101277705	A	20081001	CN 2006-80036515		20080331
PRIORITY APPLN. INFO.:			JP 2005-287885	A	20050930
			WO 2006-JP318813	W	20060922

AB Disclosed is a pharmaceutical or beverage/food which can inhibit the production of an adipocytokine, particularly an adipocytokine that can induce the resistance to insulin, to thereby prevent or ameliorate the occurrence of a morbid condition relating to insulin resistance. The pharmaceutical or beverage/food comprises, as an active ingredient, a compound having a cyclolanostane skeleton, or an extract of a plant belonging to the family Liliaceae or Poaceae with an organic solvent or hot water or a fractionated product of the extract which contains the compound

IT 1449-09-8P 4657-58-3P 10388-46-2P
RL: PAC (Pharmacological activity); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(agent for amelioration of insulin resistance)

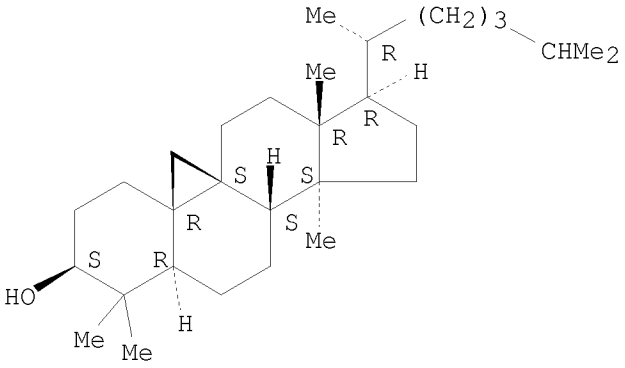
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



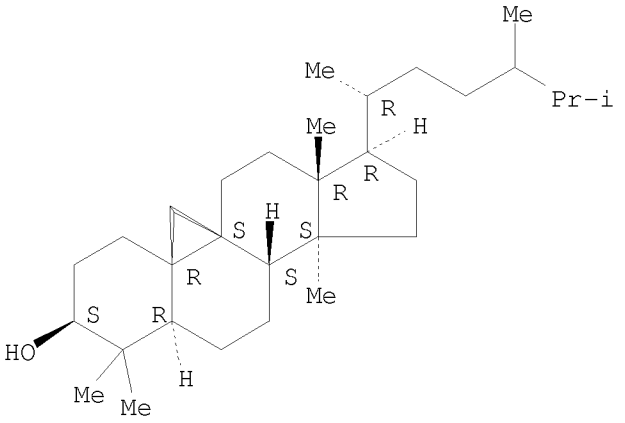
RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 10388-46-2 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methyl-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

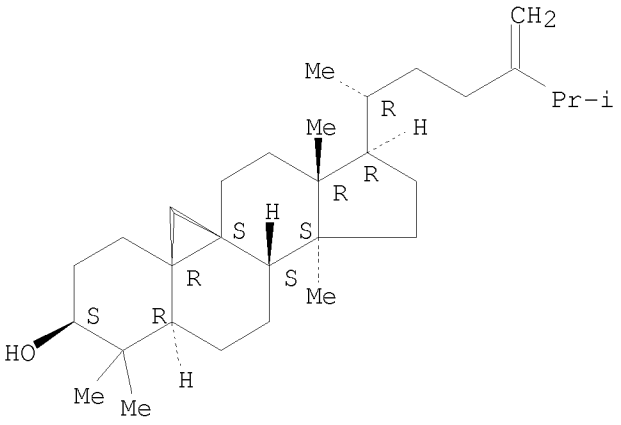
L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:896945 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 145:284750
TITLE: Identification of five phytosterols from Aloe vera gel as anti-diabetic compounds
AUTHOR(S): Tanaka, Miyuki; Misawa, Eriko; Ito, Yousuke; Habara, Noriko; Nomaguchi, Kouji; Yamada, Muneo; Toida, Tomohiro; Hayasawa, Hirotoshi; Takase, Mitunori; Inagaki, Masanori; Higuchi, Ryuuichi
CORPORATE SOURCE: Biochemical Research Laboratory, Morinaga Milk Industry Co., Ltd., 5-1-83 Higashihara, Zama, Kanagawa, 228-8583, Japan
SOURCE: Biological & Pharmaceutical Bulletin (2006), 29(7), 1418-1422
CODEN: BPBLEO; ISSN: 0918-6158
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The genus Aloe in the family Liliaceae is a group of plants including Aloe

vera (Aloe barbadensis MILLER) and Aloe arborescens (Aloe arborescens MILLER var. natalensis BERGER) that are empirically known to have various medical efficacies. In the present study, we evaluated the anti-hyperglycemic effect of Aloe vera gel and isolated a number of compds. from the gel. On the basis of spectroscopic data, these compds. were identified as lophenol, 24-methyl-lophenol, 24-ethyl-lophenol, cycloartanol, and 24-methylene-cycloartanol. These five phytosterols were evaluated for their anti-hyperglycemic effects in type 2 diabetic BKS.Cg-m+/+Leprdb/J (db/db) mice. In comparison with the HbA1c levels of vehicle-treated mice, statistically significant decreases of 15 to 18% in HbA1c levels were observed in mice treated with 1 μg of the five phytosterols. Considering the ability to reduce blood glucose in vivo, there were no differences between the five phytosterols. Administration of β-sitosterol did not reduce the blood glucose levels in db/db mice. After administration of the five phytosterols for 28 d, fasting blood glucose levels decreased to approx. 64%, 28%, 47%, 51%, and 55% of control levels, resp. Severe diabetic mice treated with phytosterols derived from Aloe vera gel did not suffer weight reduction due to glucose loss in the urine. These findings suggest that Aloe vera gel and phytosterols derived from Aloe vera gel have a long-term blood glucose level control effect and would be useful for the treatment of type 2 diabetes mellitus.

IT 1449-09-8P, 24-Methylene-cycloartanol 4657-58-3P, Cycloartanol
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(identification of phytosterols from Aloe vera gel as antidiabetic compds.)

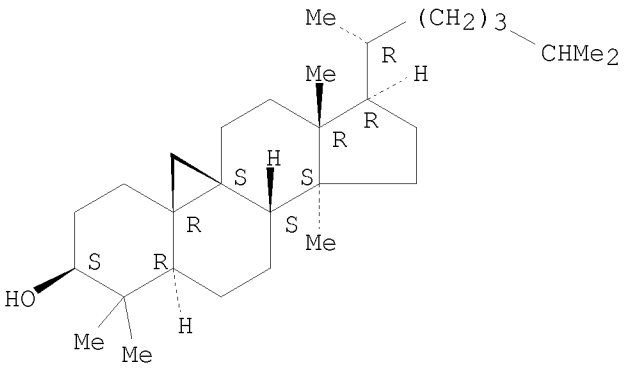
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:318934 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 144:343608
TITLE: Medicine and food/beverage for ameliorating hyperglycemia
INVENTOR(S): Higuchi, Ryuuichi; Inagaki, Masanori; Hayasawa, Hirotoshi; Yamada, Muneo; Tanaka, Miyuki; Misawa, Eriko; Wakimoto, Noriko; Itou, Yousuke
PATENT ASSIGNEE(S): Morinaga Milk Industry Co., Ltd., Japan
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006035525	A1	20060406	WO 2005-JP6021	20050330
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
CA 2542780	A1	20060406	CA 2005-2542780	20050330
CN 1859917	A	20061108	CN 2005-80001115	20050330
JP 3924310	B2	20070606	JP 2006-525559	20050330
EP 1795200	A1	20070613	EP 2005-727328	20050330
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
RU 2327463	C2	20080627	RU 2006-116567	20050330
US 20070196435	A1	20070823	US 2006-572404	20060316
KR 2006085626	A	20060727	KR 2006-706402	20060331
KR 843508	B1	20080704		
KR 2007086277	A	20070827	KR 2007-713581	20070615

PRIORITY APPLN. INFO.: JP 2004-283549 A 20040929
WO 2005-JP6021 W 20050330
KR 2006-706402 A3 20060331

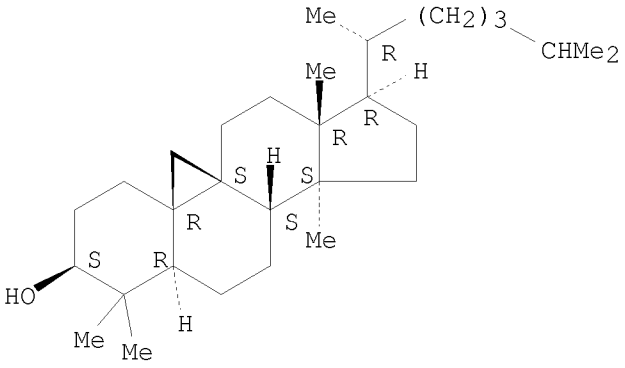
OTHER SOURCE(S): MARPAT 144:343608

AB A compound having a cyclolanostane framework, e.g., 9,19-cyclolanostan-3-ol or 24-methylene-9,19-cyclolanostan-3-ol, is used as an active ingredient for a medicine or a food/beverage for ameliorating hyperglycemia .

IT 4657-58-3P 10388-46-2P, 24-Methylcycloartanol
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclolanostanol derivs. from Aloe barbadensis as medicines and foods/beverages for ameliorating hyperglycemia)

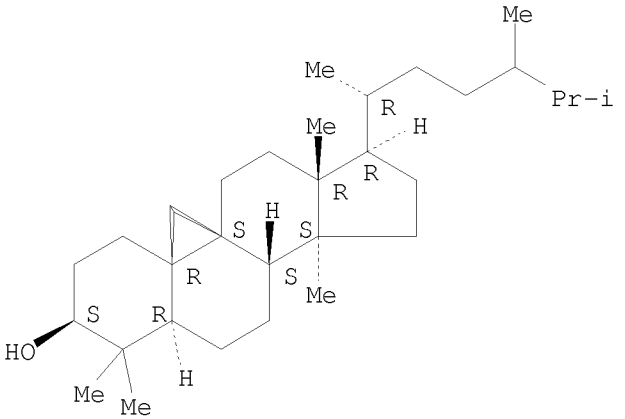
RN 4657-58-3 CAPLUS
CN 9,19-Cyclolanostan-3-ol, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



RN 10388-46-2 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methyl-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

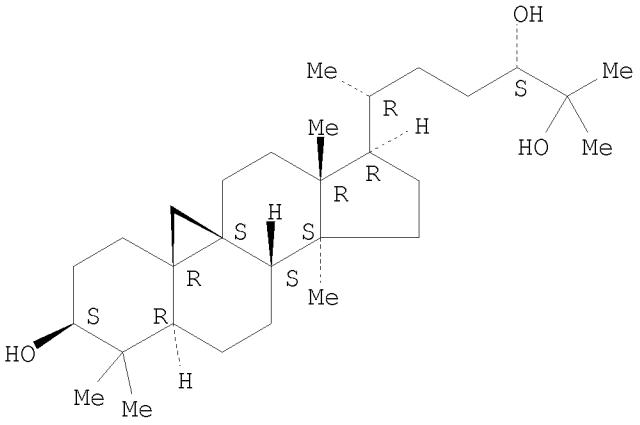
L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:235124 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 142:322694
TITLE: Adiponectin secretion enhancers containing plant extracts and/or their microbial conversion products, and their use in antiarteriosclerotics, antiobesity agents, antidiabetics, food additives, functional foods, and feed additives
INVENTOR(S): Akihisa, Toshihiro; Kobayashi, Masaki; Higashio, Chie; Takahashi, Akira
PATENT ASSIGNEE(S): Enkaku Iryou-Laboratories Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005068132	A	20050317	JP 2004-143282	20040513
PRIORITY APPLN. INFO.:			JP 2003-287984 A	20030806

AB The adiponectin secretion enhancers contain exts. from rice bran, Momordica grosvenori fruit, shimeji, chrysanthemum, rye, Betula platyphylla japonica, and/or Alpinia speciosa and/or microbial conversion products of the exts. Ergosterol (at 100 and 150 μg/mL), a component of shimeji, increased the expression of genes for PPARγ and adiponectin in 3T3-L1 cells. Rats were orally administered with soybean oil containing 10 mM ergosterol at 1 mL/100 g. The concentration of ergosterol in the serum of rats reached the maximum (.apprx.1.8 μM) at 4-12 h after administration, and serum adiponectin concentration became higher and serum triglyceride concentration became lower in the ergosterol-administered rats than those in controls.

IT 57576-29-1
RL: FFD (Food or feed use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(adiponectin secretion enhancers containing plant exts. and/or their microbial conversion products for antiarteriosclerotics, antiobesity agents, antidiabetics, food additives, functional foods, and feed additives)
RN 57576-29-1 CAPLUS
CN 9,19-Cyclolanostane-3,24,25-triol, (3β,24S)- (CA INDEX NAME)

Absolute stereochemistry.



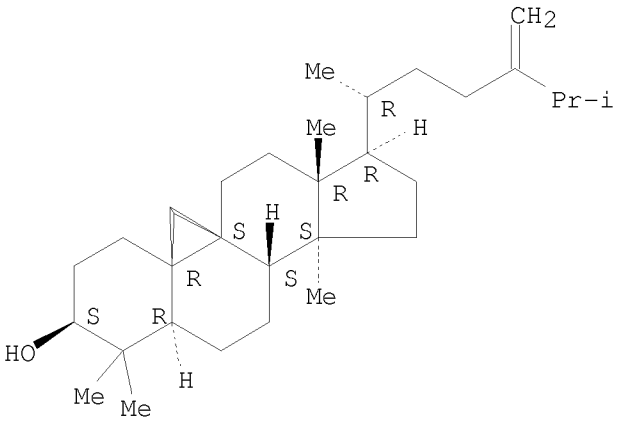
L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:432015 CAPLUS <<LOGINID::20090205>>
DOCUMENT NUMBER: 133:332063
TITLE: Chemical and biological study of the leaves of some Musa species
AUTHOR(S): Zeid, A. H. S. Abou
CORPORATE SOURCE: Pharmacognosy and Chemistry of Medicinal Plants Department, National Research Centre, Cairo, Egypt
SOURCE: Egyptian Journal of Pharmaceutical Sciences (1999), Volume Date 1998, 39(4-6), 379-398
CODEN: EJPSBZ; ISSN: 0301-5068
PUBLISHER: National Information and Documentation Centre
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A detailed study of the lipid and flavonoid contents of the leaves of Musa cavendishii Lamb. and Musa sapientum Linn. was carried out for the first time. GC/MS anal. of the unsaponifiable matter and fatty acids Me esters of the hexane extract of the leaves of both species revealed that phytol was the major component of the unsaponifiable matter and octadecatrienoic acid was the major fatty acid in both species. Six triterpenes: cyclomusalenol, cyclomusalenone, 24-methylenecycloartanol, stigmast-7-en-3-ol, lanosterol and β-amyrin were isolated and identified by determination of m.p., IR and mass spectra. Eight flavonoids: quercetin and its 3-O-galactoside, 3-O-glucoside and 3-O-rhamnosyl galactoside, kaempferol and its 3-O-galactoside, 3-O-glucoside and 3-O-rhamnosyl glucoside were isolated and identified by chromatog. and hydrolytic data, as well as, determination of UV and 1HNMR spectra. The hypoglycemic effect of some exts. of both species was examined and revealed good activity. The antimicrobial screening test of the different exts. of both species, the isolated flavonoids, the unsaponifiable matter and fatty acids against some bacteria yeasts and fungi, proved good activity especially against fungi. It is worth to mention that GC/MS technique used for anal. of the unsaponifiable matter and fatty acids Me esters in this study, resulted in that some compds. were identified in both plants for the first time. Also cyclomusalenol, stigmast-7-en-3-ol, lanosterol, quercetin-3-O-rhamnosyl galactoside and kaempferol-3-O-rhamnosyl glucoside were isolated and identified for the first time from the leaves of both species under study.

IT 1449-09-8, 24-Methylenecycloartanol
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)

(of Musa species)
RN 1449-09-8 CAPLUS
CN 9,19-Cyclolanostan-3-ol, 24-methylene-, (3β)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 07:59:54 ON 05 FEB 2009)

FILE 'REGISTRY' ENTERED AT 08:00:39 ON 05 FEB 2009
L1 STRUCTURE UPLOADED
L2 32 S L1
L3 STRUCTURE UPLOADED
L4 5 S L3
L5 90 S L4 FULL

FILE 'CAPLUS' ENTERED AT 08:03:43 ON 05 FEB 2009
L6 840 S L5
L7 40 L6 AND THU/RL
L8 7 L6 AND (DIABET? OR "BLOOD SUGAR" OR ?GLYCEMI?)